David N. Rahni, Ph.D.

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UNIQUELY WELL QUALIFIED FOR ACADEMIC LEADERSHIP OPPORTUNITY

EXECUTIVE PROFILE

A highly motivated, academically accomplished, technically skilled, team-oriented, and hands-on program policy-practice leader with a clear vision regarding higher education; offering extensive experience in curricular and scholarly generation and improvement; quality and cost control, as well as people management skill. I will bring highly diverse skills, knowledge, and abilities plus the propensity to initiate empowering transformation as well as a unique ability to steer others in more productive directions. Thrive on multiple tasks and new challenges. I have completed the Academic Leadership Fellowships (Harvard MDP and Assessment sessions).

QUALIFICATIONS

- 30 years of designing and deploying whole system curricular initiatives to improve performance
- Appropriate and necessary academic credentials and practical expertise for leadership opportunities
- Transforming Pace teaching center into Faculty Center for Teaching Innovations and Professional Development
- Strong analytical & computational skills & the ability to envisage both the big picture and critical details
- Led Honors College and the Library system (recently); serves on the Admin. Comm. of the Board of Trustees (Pace)
- Published on a myriad subjects especially forensics (anthrax and chemical agents)
- taught for fifteen years in Pace's environmental Law program.
- Served as the editorial board member for the FBI's Forensic Science Communications Journal
- Consistently able to get things done on time, within budget and with expected outcome
- Versed with accreditation and assessment procedures plus rules and trends in higher education
- Unique ability to move ahead even when roles and responsibilities are highly ambiguous
- Always demonstrate respect for others whose background, culture, and values are diverse from my own
- Exercise discretion, sound judgment, tact, plus confidentiality in all communications
- A result-focused professional with measurable successes in new and changing environments
- Display a high degree of integrity while always thinking of ways to improve performance
- Adept at managing budgets and people, dynamic planning, and business process re-engineering
- Expertise in developing, implementing, and conducting variance analysis on multi-jurisdictional budgets
- Expertise in crisis management, mediation, adjudication, conflict resolution, and building consensus
- Able to effectively train, motivate, mentor, and supervise others in order to gain greater productivity
- Versed with strategic planning, resource allocation, contract negotiation, & leadership techniques
- Skilled in conveying creative solutions to problems, as well as new ideas, both in writing and orally
- Deep and rich knowledge of tactical execution of strategies under time-critical conditions
- Broad multi-disciplinary competence, multi-lingual & multi-cultural with global perspectives/paradigms

KEY EXPERTISE

STRATEGIC PLANNING	ACADEMIC LEADERSHIP	SCHEDULE MANAGEMENT
OPERATIONS MANAGEMENT	CONTRACT NEGOTIATION	SECURITY MANAGEMENT

FORMAL EDUCATION, HONORS, AND TECHNICAL SKILLS

- **DOCTOR OF PHILOSOPHY (PH.D.)** *ANALYTICAL CHEMISTRY,* UNIVERSITY OF NEW ORLEANS
- **MASTER OF SCIENCE (M.S.)** *CHEMISTRY,* EASTERN NEW MEXICO UNIVERSITY
- **BACHELOR OF SCIENCE (B.S.)** *CHEMISTRY*, NATIONAL UNIVERSITY OF IRAN
- Extensively published/presented (300±) – details at the interview or upon request
- Brief thesis on teaching and perspectives on life will also be presented at the interview

National Symposium Presider: Counterterrorism, Homeland Security, and Neuroscience
Award from Algorithm Scientific International and Kenan Award for Teaching Excellence
Distinguished Scientist Award — **Fulbright Senior Research Scholar-**UNDP Consultant
Visiting Professor of Chemistry (Denmark, Florence, Oxford, and Rome)
Proficient in using word suite, assessment and digital measures, plus Banner systems

BRIEF SUMMARY OF RECENT EMPLOYMENT HISTORY

PACE UNIVERSITY ▪ NEW YORK, NY has sustained over 30 years of prolific scholarships

Associate Provost for Academic Affairs *(interim)* 2013

PROFESSOR OF CHEMISTRY 1986-present

- Early or concurrent career: Adjunct Professor, Environmental Law at Pace University, and at Department of Dermatology, New York Medical College; Senior Medical Research Associate at CUNY Medical School; and Visiting Academic Scientist, the Research Divisions at IBM, Ciba, & Universal Sensors.

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I. David Rahni's Chronological Career Path

Professor	Pace University (1986-present)
Taskforce Member	Lead member to enhance quality and number of incoming students, And to increase retentions and graduate rates (2014-present)
Associate Provost for Academic Affairs (int.)	Pace University; review the oversights that follow herein (2013)
Chair	The Faculty Council (2011-13), and 2017-
Chair	Committee of Deans and faculty for promotion and tenure (CDFPT-2016)
Chair	The Faculty Affairs Committee (2013-present)
Sr. Med. Res. Assoc.	CUNY Medical School, CCNY, Harlem, NY (2000-04)
President/CEO	Chemical Detective and Health Allied Associates, LLC (2008-present)
Adjunct Professor	LL.M. Environmental Law School of Law, Pace University (1990-2005)
Director (founding)	Grad. Program Environmental Science eq. to chair, Pace Univ. (1996-99)
Adjunct Professor	Dermatology, New York Medical College, Valhalla, NY (1994-present)
Visiting Professor	Bioinorganic Chemistry, University of Oxford, U.K. (1994)
Fulbright Scholar	Technical University of Denmark, Engineering, Copenhagen (1993-4)
Visiting Professor	Inst. Anal. Chem., Univ. Florence, Italy (Summer 1990)
Director	Ctr. for Applied Analytical Chem., Pace University (1988-90)
Adjunct Professor	Manhattanville College, Purchase, N.Y. (1990-93)
Visiting Faculty	II University of Rome (Su1987) U. Florence, Italy (Su 1991)
Post-doctoral	(LSU) University of New Orleans (PT 1986)
Corporate Reviewer	Chem. Manufacturing Assoc. Team Member: Ciba (1998)
Visiting Scientist	Ciba-Specialty Chemicals, Ardsley, N.Y. (1993)
Visiting scientist	IBM Thomas J. Watson Research Center, Manufacturing Engineering/Electrochemical Technology, N.Y. (1991-92)
Research Scientist	American Health Foundation, Valhalla, N.Y. (1987)
Research Chemist	Universal Sensors, Inc., New Orleans, L.A. 70006 (1985-86)
Lecturer	Akzo-Nobel, Inc. (March 2003)
Consultancy	Pepsi, Test-well Craig, Ciba, IBM, etc.

Honors

- Harvard Academic Leadership Fellow (MDP 2012) & a course in Assessment in Higher Ed
- Outstanding Service Award, Am. Chem. Soc. NY (2006)
- Co-authored the book ***Bio-Imaging in Neurodegenerations*** and the (co-)author of 300+ pubs
- Algorithm Scientific International Award (2000)
- Kenan Award for Teaching Excellence, Pace University (1997-98)
- Distinguished Scientist, The Am. Chem. Soc. Westchester Section (1996)
- Outstanding Graduate Student in Science, Eastern New Mexico Univ. (1980)
- Member, Sigma XI Research Honor Society (1984-)
- On the "Hall of Graduate Honors," Eastern New Mexico University
- Outstanding Service Award, The Am. Chem. Soc. Westchester Section (1991)
- Service Award, by the ACS New York Section for MARM'97 Leadership as the Chair

Other Professional Activities

Member	Middle States' Commission of Higher Ed. (Am. U. 2014; St. John's U. 2016)

Councilor	American Chemical Society (1999-02)
Board of Editors	Member, Forensics Science Comm. J. (2001-4 published by the FBI)
Chair-Elect & Chair	American Chemical Society's New York (1999 & 2000)
Fulbright Review B.	Member, Scandinavian Countries (1993-95)
NIH	Proposal Reviewer (Bioengineering, Physiology, Radiol/Surgery)
Member	Federated Conservationists of Westchester County, NY (1995-2000)
Co-Host	Rockefeller University's designation as National Historic Chemical Landmark, Symposium and Banquet (2000)
Trustee Board Member	Helena Kaushik College for Women India (20014-present)
Founding Member	Committee on NYS Conference on Economic Development And Climate Change (1997-98)
Member	Environmental and Sciences Advisory Council for Nita M. Lowey, 20th District US Congresswoman (1989-92)
Chair & Founder	A partnership with half dozen school districts, towns, Westchester Land Trust and Pace entitled, "Partners for Sustainable Development in Lower Hudson Valley" ('96-97)
Visiting Faculty	The United Nations Development Program (Summer 1992 & 95)
General Chair	31st.Mid-Atlantic Reg. Conf., the Am. Chem. Soc. (300 papers)
Chair	Chair (1991), Executive Secretary (1989), Member, Board of Directors (1988-'92), Westchester Chem. Soc. of the ACS
Member	Env. Advisory Council, Ossining, New York, (1990-1993)
Reviewer	Analytical Letters and Journal of Iranian Chemical Society (JICS), also on National Science Foundation and NIH reviewers list
Host Member	National Am. Electrochemical Society Conference (1984)
Host	ACS Industry-Academe Comm. (1987-99)
Host	ACS-NYS Students' Research Assoc. (1987) and member (1986-2004)
Member	ACS-NYS Environmental Committee (1995)
Consultant	on the list for the UN Development Program (UNDP) (1992-95)
Chair	ACS Nichols Medal Symposium and Banquet (1999)
Fund raising	Active with multiple successful track records (ongoing)
Scholarship Fund	Established a chemistry student scholarship fund (1997)
Instrumentation	Have acquired instruments worth over $300K donated to Pace U (form Agilent and local industries) (1986-present)
Editor	North Am. Editor, JICS, the Journal of Iran. Chemical Soc. (1998-present)

II. UNIVERITY ACADEMIC (Executive) LEADERSHIP ACUMENS

A. Associate Provost for Academic Affairs (APAA) (Interim 2013) Pace University New York 10038

The Charge for the Offices of Provost/VPAA and APAA:
To enhance the University's national ranking from 170's to 120's in the third tier within five years, through improvement of new and existing academic programs, increase in grants-man-ship and scholarship, and improved recruitment, retentions and graduation rates.

The divisions and units under the auspices of the two VPAA and APAA are: six schools and colleges, Honors College, international programs, student success, research and economic development, student life and affairs, student assistance, libraries, center for teaching and faculty development.

David Rahni's Key Contributions and Accomplishments

• Served as the Provost Core/Cabinet member, his deputy & liaison to deans and other VPs, and as his senior advisor on all university matters.

• Assisted the Provost and the AVP Academic Finance in the planning and management of $190M annual budget for academic and student affairs.

• Served as the visiting evaluation team member of the *Middle State Commission on Higher education* for the American University, Washington, D.C.

• Served at the pleasure of the Provost and as his deputy, representing him and the University regularly on a myriad external functions and communications.

• Co-led the revision of, and securing re-articulations with sister institutions, key 12 community colleges, and 9 international universities.

• Assisted the Provost to develop and move forward the *Augmented Pace Academic Plan* (APAP), a group of 17 key initiatives to sharpen and enhance academic agenda, and improve national university ranking.

• Served as the administrative key person on the implementation of the 2013 Faculty Handbook.

• Served as the liaison between the deans of six colleges and schools and the Office of the Provost.

• Served as the liaison with the Middle State Commission on Higher Education.

• Collaborated with Law School to sign articulations with two overseas universities.

• Represented the University on the NY State Association of Independent Colleges and Universities.

• Participated regularly in the implantation of the strategic planning and in the initial draft development of the next five year strategic plan and self-study.

• Provided substantive input into the development and implementation of a five-tier online annual evaluation system called, PMDP (Performance Management Development Process) as applied to staff and faculty for merits.

• Academic affairs liaison in the senior VP Administration team in the planning and construction of the $60M physical improvement and expansion of the Westchester Campus (ongoing).

• Served as the member of the President's Management Council and provided him counsel on academic matters when asked.

B. Academic Schools and Colleges

• Provided leadership to, and served as the liaison between the Office of the Provost and the deans at the six colleges and schools.

• Counseled department chairs on academic matters and appeals.

i. Faculty Development

• Co-developed and revised the comprehensive policy on tenure and promotion procedure (measurably enhanced tripartite expectations) and post-tenure career trajectory of faculty.

• Reviewed the dossiers of 48 tenure stream faculty and made specific recommendations to deans for fulfilling key tripartite missing outcomes on each before they apply for tenure and/or promotion.

• Worked closely with Human Resources and deans in the recruitment, mentorship and retention of [diverse] faculty of the highest caliber possible.

• Managed the application process for Kean Award for Teaching Excellence.

• Wrote and implemented the solicitation-review process for the selection of up to two Distinguished Professorships per annum.

• Interviewed the 33 faculty and chair finalists for hire in 2012-13.

• Worked with my senior staff the HR Director of Faculty Development and set up a comprehensive database and dashboard on all 417 full-time faculty profile data. We further developed a career development path for faculty during their pre-/post-tenured status.

• Completed a Faculty workload comparative analysis of the full time faculty university wide and made recommendations for parity and class size.

ii. Program Development

• Reviewed new or revised undergraduate (14 new majors) and graduate (8 new ones including the first two Ph.D.) programs, submitted to New York State Department of Education and received approvals.

• Reviewed and approved 48 new courses university wide.

• Co-led the policy on reduction of undergraduate programs from 128 to 120 credits, worked out its financial, curricular and institutional enhancement ramifications, and presented it to the Faculty governance for consideration.

• Researched and identified a number of unique academic programs that when offered, will strategically increase enrolment.

• Active participant in the development of Westchester Campus Academic Identify Plan.

• Set policy in motion to achieve a 100% hybrid approach to the instructions in five years.

C. Pforzheimer Honors College

• Worked closely with the two faculty Directors of Honors College and their staff in devising a five- year strategic plan for the enhanced expansion of honors curriculum, enrollment, and student experiential and cultural learning. (Admission standards, retentions and graduation rates of Honors students increased by 10% in one year).

• Assisted in the major physical enhancement of the two wings for Honors College. Steered the enhancement of the Honors College webpages and online and recruiting materials and the use of Library's Digital Commons for showcasing, accessing and archiving of students' and faculty's scholarly output.

• Set forth policy in achieving a 100% usage rate, within two years, of e-portfolio and Blackboard, by faculty and students in all honors courses.

• Attended and provided input at the bi-weekly academic Dean's Council chaired by the Provost.

• Oversaw the Summer Scholars programs (high school students for recruitment)

D. the Library system

• Restructured the library management system; it yielded the elimination of two senior executive level and one staff positions through attritions, saving nearly one million dollars (20% of the library budget) in remunerations, benefits and indirect costs.

• Worked with the two campus based executive librarian directors and developed, in the context of current institutional planning, the revised plan for 2014, as well as the five year library strategic plan 2015-20.

• Met with each of the 68 librarians and support staff to set annual goals and completed promptly their merit evaluations.

• Reinvigorated the Faculty Library Committee, directed the renovations and expansion of student social and studying areas in both libraries,

• Enhanced the Integration and cross cooperation between the two major libraries, our law school and the consortium of sister eighteen colleges in New York State.

• Plans are under way to reduce the hard volume shelf holdings by over 50,000 within two years through consortium of eighteen sister institutions.

• Directed the University Archivist Librarian in achieving a 95% digitization success (~one Terabyte per annum) within two years.

• Promptly responded to arts and humanity faculty's needs for easy access to a subscribed data bases of commercial and independent movies, documentary films and artistic videos.

• Endorsed and encouraged the use of the *Digital Commons*, a kind of institutional repository cum digital archive of the scholarly output, undertaken by its faculty, as well as select group of students especially from the Honors College.

• Operationalized a process whereby every librarian is to be embedded into a number of course modules, via e-portfolio/Blackboard.

• Earmarked and started a multi-year beautification/renovation plan to create socially conducive study areas with coffee and snack refreshments, and appealing TV media ambiance.

E. Pace Adjunct Faculty Union

• Led and co-developed a comprehensive HR database/dashboard of adjunct faculty profiles (1,500 active members).

• Regularly met/communicated with the HR, Office of Legal Counsel and the President of the adjunct faculty Union to resolve contractual and other matters of concerns.

• Set up an annual fund in partnership with the adjunct faculty Union (50-50) to review proposal submissions by adjuncts to present at scholarly conferences.

• Worked closely with my HR senior staff director, the institutional HR executives, and Office of Legal Counsel to develop positions statement on the next round of contract (CBA) negotiations and renewal in 2014.

• Reviewed, mediated and adjudicated adjunct faculty concerns beyond the offices of deans.

• Revised and implemented the policy on the hiring and promotion of adjunct faculty.

• Devised and implemented an annual evaluation system whereby half of an adjunct's salary raise is tied into an elaborate performance evaluation.

• Proposed "voluntary" option for adjunct faculty to be more actively engaged (office hour right before or after a lecture) in educating their students.

F. Research Grants-man-ship, and Scholarship

• Worked closely with the *Associate Provost for Research and Economic Development* to sharpen and enhance each school/college based grant targets, and encourage key faculty to apply for potential grant sources identified.

• Revised the institutional policy on the award of Scholarly Research Grant and Kean Travel Funds for faculty development and research.

• Reinvigorated the above faculty Committees, streamlined, and migrated the process the process of submissions, review, appeals, communications, and archival from paper to electronic platforms.

• Enhanced, centralized and managed the allocations of funds to specific faculty application for scholarly research and travel.

• Analyzed data and improved on the university wide policy on faculty release time for scholarship, administrative duties and major service.

• Worked with Associate Provost for Student Success in doubling (*vs.* preceding year) the number and quality of students' and faculty's undergraduate research projects.

G. Center for Teaching and Learning Technology & Pforzheimer Faculty Development Center

• Led the Center, and worked closely with its executive director and 9 faculty and staff in developing a comprehensive proposal to transform it into *University Center for Innovative Teaching and Faculty Development.*

• Steered the development and offering of 23 continuing education training workshops, each for an hour to a full day or two in durations, on MOOCS, online and hybrid education, flipped classroom, the integration of instructional technology, teaching portfolios, *e-portfolio*™, *Blackboard*™, *Digital Measures*™, learning outcome, teaching assessment and student success.

• Managed, completed, complied and reported the last phase of a three year *Thinkfinity* grants ($1.5M), on the integration and assessment of technology into curriculum, sponsored by Verizon.

• Chaired the summer Faculty Institute on career development

• Worked with the AVP for Institutional Review and Assessment on devising and administrating assessment tools, analysis and policy shifts.

H. Shared Governance

• Met regularly and conferred with faculty leaderships on academic topics of mutual concerns. Attended the Faculty Council sessions (aka faculty Senate) and responded to questions addressed by the faculty.

• As a member of the administrative team, participated in negotiation with the faculty leadership to develop and ratify the Faculty Handbook, for three year to revise and have ratified unanimously

I. Student Life and Counseling Centers

• Led the application submission and secured $200K for the procurement of audio-visual and lighting system of the Goldstein Athletic Center, also used for commencements.

• Co-led along with the VP-CIO the development and submission of a proposal to CISCO, for the construction of a high-tech room allocated to veteran students to enhance their academic transition and career pathways.

• Set up an independent review/audit panel to assess the effectiveness of mission and cost/benefit of our three student counseling centers, and their possible integrations with our existing healthcare units.

• the above set of recommendations yielded in optimal integration schemes on counseling/healthcare, the use of in-house doctoral students, and a projected annual saving of $500K when fully implemented next year.

J. Office of Student Assistance

• Worked closely with the OSA executive director on devising University Calendar, course scheduling and locations, registrar and financial aid issues, student and parent complaints, digitizing university catalogs, land iaised with NYS and federal Departments of Education.

• Completed and presented to faculty the first university wide grade distribution analysis and recommendations.

III. Faculty Governance Leadership Roles (2008-2012)

• Chair of the University Faculty Council 2009-12 (*aka* University Senate)

• Elected to serve as the lad member of the Taskforce to enhance the quality and number of incoming student body and to increase retentions and graduation rates.

• Member of the Board of Trustees Administration Committee
• Led the faculty governance through reinvigorating 27 committees and sub-committees, meeting regularly with the president, provost and other executives' and board of trustees, amended the council constitution.

• constructed and offered a hybrid (online) approach to governance for the faculty to raise issues and be clearly heard. The monthly physical attendance of the council doubled in three years.

• Led the faculty side negotiation on the Handbook and had it ratified unanimously by the largest number of faculty votes ever on a motion.

• Have served as a member of the University Committee on Budget, Compensations and Benefits.

• Devised and administered a Faculty Satisfaction survey which yielded four times (60%) our annual response rates to HERI administered by UCLA. Items of major concerns were directed to appropriate offices to tackle.

• Created a mechanism for enhanced communications with the Student Government Association and Student Activity Board.

• Currently serves as the chair of the Faculty Affairs Committee. This Committee sets faculty council agenda, and leads negotiations on salaries and benefits, etc.

• Member of the Campus Physical Master plan Expansion.

• Have chaired the Committee of Deans and Faculty on Tenure and Promotion (2010-2011).

IV. Founding Director (equiv. to dept. chair) of Graduate Program in Environmental Science

• Developed and received expeditious approval from NYS Dept. Ed. The first highly interdisciplinary graduate program in the science at Pace.

• Developed 14 new courses for the program that entailed course objectives, textbook/supplements, topics to be covered, library resources, mode of evaluation and learning outcome expectations.

• Hired in conjunction with Biol. & Chem. Depts., mentored and evaluated a cadre of faculty for the program.

• Actively engaged in student recruitment and set up research/internship opportunities with a number of key corporate, non-profit and government centers. The number of student enrolled reached 49 in three years.

V. References

1. Mr. Thomas Hull, CIO/VP, Florida Polytechnic University
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2. Dr. Victor Goldsmith Assoc. Provost for Research and Economic Development, Pace University New York 10038
   212-346-1277/1027 917-251-7000 vgolsmith@pace.edu

3. Dr. Kyeanna Bailey HR Director of Faculty Development
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4. Mr. Matthew Bonilla, Vice President for Student Services, Touro College and University system, 27-33 West 23 Street, New York, NY 10010
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5. Prof. Rey Racelis, Director of the Library, Pace University
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6. Dr. Stephen D. Pastor, Senior Research Fellow, Ciba-Specialty Chemicals (BASF), 540 White Plains Road, Tarrytown, NY 10591-9005

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7. Professor Bijan Safai, M.D. Sc.D., Dermatology Chair, NY Medical College Valhalla, New York
914-493-1133 safai@aol.com

8. Professor Richard Ottinger, former Congressman and Dean Emeritus, Pace University School of Law, and former Congressman (8 terms), White Plains, NY 10603-3796
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9. Professor Robert F. Kennedy, Jr., Professor of Environmental Law, Pace University, 78 North Broadway, White Plains, NY 10603-3796
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10. Professor Alayar Kangarlu, Director of MRI Research Institute, Dept. Child and Adolescent Psychiatry, Columbia University 1051 Riverside Drive New York, NY 10032
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11. Dr. John Morelli, Senior Scientist and Director, Honeywell-Allied Signal Morristown, New Jersey 07962
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VI. **Select (more recent) Key Publications**

(Rahni *et. al.* -from 300+ scholarly output, complete list furnished upon request)

- Rahni, D.N. Iran's higher education and research potential, ***Science*** (AAAS), 23 October 2015: 392-393.

- Rahni, D.N. The passing of Professor Eli Pearce, a true scholar and humanitarian C&E News Magazine (ACS) September **2015** (**http://cen.acs.org/articles/93/i36/Eli-Pearce-Humanitarian.html**)

- Exocyclic Diastereotopic Protons as a Probe for Conformational Bias in Eight-Membered Rings Containing Phosphorous and Titanium, *Phosphorus, Sulfur, Silicon and the Related Elements J.* V.188, Issue 5, May 2013, pages 623-632.

.

- Bioimaging in Neurodegeneration; The Book published by *Humana Press.*

- The *Presider* and Organizer, annual symposium on novel methodologies and technologies for Homeland Security, Forensics and Neurochemistry at the

Pittsburgh Conference of Analytical Chemistry and Applied Spectroscopy (1999-2012).

- The Conformation of Sterically Congested Seven-Membered Rings Containing Tetracoordinate Germanium (IV): A First X-Ray Crystallographic Structure Determination. *Phosphorous, Sulfur, and Silicon the Related Elements J.*, 181: 1951-1956, 2006.

- Acute and subacute effects of risperidone and cocaine on accumbens dopamine and serotonin release using in vivo microvoltammetry on line with open-field behavior. *Progress in Neuropsychopharmacol & Biological Psychiatry* 2003 Sep; 27(6):1037-54.

- Clozapine and cocaine effects on dopamine and serotonin release in nucleus accumbens during psychostimulant behavior and withdrawal. *Progress in Neuropsychopharmacol & Biological Psychiatry* 2004 Jan; 28 (1):157-71.

- Cocaine acts on accumbens monoamines and locomotor behavior via a 5-HT(2A/2C) receptor mechanism as shown by ketanserin: 24-h follow-up studies, *Progress in Neuropsychopharmacol & Biological Psychiatry* 2004 May; 28 (3):547-57.

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- Anthrax Insights, *J. Forensic Identification 2002,* Vol. 52, 86-94.

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• Environmentalists should rethink strategy, *The Chronicle of Higher Education,* January 19, 2001.

• Membership Efforts, *Chemical & Engineering News Magazine*, 1/22, 2001.

• Secrecy in Science: University-Industry and Government Relationship, *Chemical and Engineering News Magazine***,** July 5, 1999, p.2.

• The Critical Role of the Local Section of the American Chemical Society, *Chemical & Engineering News Magazine*, January 5, 2001.

• Sustainable Development, C*hemical & Engineering News Magazine*, March 27, 2000, p. 4.

• Medium-Sized Organogermanium Heterocycles containing a Trasannular Sulfur Atom: First Synthesis and Characterization of a Sterically Hindered Eight-Membered 1 2*H*-Dibenzo [*d,g*][13,6,2]Dioxathiagermocin, *Phosphorus, Sulfur, Silicon and the Related Elements J.* 1998, Vol. 139, pp. 87-96.

• The Electrolytic Plating Compositionally Modulated Alloys and Laminated Metal Nano-Structures based on an automated computer-controlled dual-bath system, *Nanotechnology Journal* (published by the Royal UK Institute of Physics) 7 (1996) 134-143.

• Synthesis and Conformation of Chiral Eight-Membered 12H Dibenzo[d,g][1,3,2]dioxaphosphocins, *Inorganic Chemistry Journal*, Volume 35 (1996), Number 7, pages 2157-2161.

• A Neutral Spirocyclic Hexacoordinated Germanium (IV) Complex: Hupervalent Germanium Compounds with Sufur-Containing Eight-Membered Rings**,** *Inorganic Chemistry Journal* (ACS) 36 (1997), 25, 5966.

• Naturalized Citizen American Chemists: Contributions, Perceptions, and Challenges, *Chemical & Engineering News Magazine*, 2/24, 1997 p. 6.

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- Synthesis and conformational of chiral eight-membered 12H dibenzo [d,g][1,3,2] dioxaphosphocins, *Inorganic Chemistry Journal* (ACS) 35(1996), 7, 2157-2161.

- Sterically congested ligands: Synthesis and solution conformation of bisphosphite ligands precursors, *Phosphorus, Sulfur, Silicon and the Related Elements J.* 90, pp. 95-102 (1994).

- The conformation of medium-sized heterocyclics: Synthesis and solid-state conformation of 6-arylthio substituted dibenzo-[d,f] [1,3,2] dioxaphosphepin, *Phosphorus, Sulfur, Silicon and the Related Elements J.* 82, 1-6 (1993).

- The reaction of 9-bromoanthracene with benzenethiolate anion in tetraglyme: Evidence against a competing electron-transfer mechanism, *Helv. Chim. Acta,* 1992,*75*, 480.

- Direct Electrochemistry of Enzymes and Proteins, *Ir. J. Chem. And Chem. Eng*. Vol. 13, No. 1 , pp 43-57, 1995.

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Professional Portfolio
Professor David N. Rahni, Ph.D.

NEW YORK, U.S.A.

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Abridged Biography

David N. Rahni is professor of chemistry at pace University, where he currently serves as the chair of the Faculty Council, reelected for the third round. He has in recent juncture served as the Associate Provost for Academic Affairs (interim) and Professor of Chemistry at Pace University, New York. As a recent MDP and Assessment Fellow at Harvard, he has served as the lead developer and founding Director of Pace University's graduate program in Environmental Science; his current role is serving as the chair of the Faculty Council. In addition, he has served as adjunct professor in the LL.M./S.J.D. Environmental Law Program at Pace University School of Law and the Department of Dermatology at New York Medical College, as well as senior medical research associate at CUNY Medical School (Harlem, New York). Dr. Rahni has served as a member of the Board of Editors for the *Forensic Science Communications*, a premier journal in support of law enforcement (published by the FBI). As a recipient of 2006 Outstanding Service Award by the American Chemical Society (ACS) New York, he was elected the 2000 Chair of the ACS New York, and served as a member of its Board of Directors (1999-2001). Currently serving as the ACS Councilor, he ran for its nationwide director at-large in 2005. Dr. Rahni has served as chair of the Jury for Nichols Medal, the oldest and most prestigious chemistry medal in the Nation. He has been the recipient of the 2000 Algorithm Scientific International Award, endowed by many agencies including the UNDP, UNESCO and the Third World Academy of Sciences. He was selected the ***1996 Distinguished Scientist*** by the ACS Westchester Section, and the ACS Outstanding Service Award (2006). Honored with a ***J. William Fulbright Senior Research Scholarship*** at the Technical University of Denmark (DTU), and ***visiting professorship*** at the University of Oxford, UK, Rahni was also awarded a visiting professorship to DTU by the Royal Danish Research Academy (summer 1994), where he offered a workshop on surface characterization methodologies in manufacturing engineering. He has held visiting scientist positions with the **IBM** Thomas J. Watson Research Center and **Ciba-Geigy** Research Division, and has lectured at or visited the II University of Rome, the University of Florence, the National University of Mexico, the Universities of Southampton, Leeds, London and Copenhagen, and the Danish Orsted Institute. He has also served as a visiting ***United Nations*** TOKTEN Scholar in the third world, presenting lectures and assisting in curriculum development in, among others, Tehran, Guilan, and the National Univ. of Iran.

As a prolific writer with several hundred scholarly outputs, he has recently co-authored a recently published book, ***Bioimaging in Neurodegeneration*** (Broderick *et al* Humana Press, list $165). **Professor Rahni** earned his Ph.D. and completed postdoctoral studies in Analytical Chemistry at the University of New Orleans, his M.S. at Eastern New Mexico University, and his B.S. at the National University of Iran. He has published extensively in such diverse fields as immobilized enzyme electrochemical sensors for clinical, environmental and industrial assays, in vivo microvoltammetric measurement of neurotransmitters in brain, electrodeposition of thin-film compositionally-modulated alloys and metal multi-laminated nano-structures for sub-micro-electronic and micro-mechanical applications, *in-situ* pH and other key measurements in the diffusion layer of the cathode during the electrodeposition of metals, process engineering, the direct and indirect electrochemical investigation of oxidoreductase enzymes and proteins and their surface interactions, asymmetric synthesis and mechanistic studies of congested heterocyclic phosphorous, sulfur, germanium, selenium and tellurium compounds, environmental sciences and law, sustainable development, and science education. A recipient of Pace University's Kenan Award for Teaching Excellence**, David Rahni** has organized, and chaired numerous workshops and symposia, as typified by his fundraising and program leadership for the ACS Nichols Medal Symposium and Banquet. More recently, he serves as a Member of Fulbright Fellowship Review Board and on its Senior Specialist Roster, review member of the National Institute of Health panels, and has co-organized and co-hosted the Centennial Celebration of Rockefeller University and its designation as a national historic Chemical Landmark. He was the General Chair and Host for the 31st ACS Middle Atlantic Regional Meeting. His other contributions include past membership on the Citizen's Advisory Council for the **U.S. 20th Congressional** District Representative, Nita M. Lowey, his leadership

role as a founding member & President in Partners for Sustainable Development, Board Member of Federated Conservationists of Westchester County.

CV-EXECUTIVE SUMMARY

In the interest of serving the Search Committee's need for an expeditious review of applications and nominations, I offer an executive summary of my professional background:

A. PROFESSIONAL & LEADERSHIP ACCOMPLISHMENTS

University

- Completed the MDP & Assessment academic leadership Fellows program (Harvard U.)
- Serves as the Chair of the Faculty Council, reelected for the third round
- Led the revision and ratification of the Faculty Handbook.
- Member of the review and visiting team, Middle States' Commission on Higher Education, for American and St. John's Universities (2014 and 2016)
- Supervised the U. library system and Center for Teaching, Learning and Technology
- Led the development and state approval, and served as the founding director of Pace's graduate environmental science program. In such capacity, I helped hire and evaluate faculty members, was engaged in the budgetary process, developed courses, assessed the program, led recruiting and marketing strategies and secured employment for our graduates.
- Chair of the Pace U. (West) Faculty Council (*aka* univ. senate).
- Chair of the Comm. Deans and Faculty on Tenure and Promotion (2010-2011).
- Served as the Vice Chair of the University Faculty Council, alternate member of the Tenure and Promotion and Appeals Committees, and on various faculty & administrative search committees
- Served on Dyson College of Arts & Sciences Assembly, and Tenure and promotion committees, and departmental committees for search, promotion and tenure, safety, research and curriculum

Professional and learned societies

- The 2006 recipient of Outstanding Service Award by the Am. Chem. Society, NY
- Ran for the Director's position of the Am. Chem. Soc., an organization with 160,000 mostly Ph.D. members worldwide (a budget of $450 Million and assets of $1Billion.)
- Served on the Citizen's Advisory Board for WNYC, the premier NYC's public NPR St.
- Elected to serve as the Councilor of the American Chemical Society (2005-08).
- Presides over the annual symposia on "Homeland Security and Counterterrorism" at the Pittsburgh Conference (2000-present)
- Served as the elected Chair of the American Chemical Society (ACS) New York (2000), General Chair & Host, the ACS Middle Atlantic Reg. Conf. (1997), Chair of the Nichols Medal Jury (2003).
- Serves as proposal review member of the Fulbright Board for the Scandinavian Countries (1996)
- Served as the ACS's Responsible Care reviewer (safety, security & health), Ciba-Specialty Chem
- Serves as manuscript reviewer for various periodicals including Synapse
- Serves as the North American Editor of the Journal of Iranian Chemical Society (its Board has two Nobel Laureates).

Government

- Served as reviewer for the various panels of the National Institute of Health (2000-05)
- Served as member of the editorial board for the FBI's Forensic Science Comm. (2000-04)
- Served as member of the Advisory Board for Congresswoman Nita M. Lowey (1989-93).
- Served as member of the Ossining Village Environmental Advisory Board
- Served as board member for Federated Conservationists of Westchester (www.fcwc.org)

Community at-large

- Co-led the founding of several NGO organizations nationwide and served as elected president for some (*e.g.* www.NIACOUNCIL.org , www.AntiDiscrimination.org)
- Served as regional AYSO soccer coach and or referee for eight years

Corporations

- Has Served as *per-diem*, visiting scientist, consultant and invited lecturer at numerous R&D centers (IBM, Pepsi, Ciba, Akzo, Picton, Cole)
- Founder and President, Chemical Detectives and Allied Health Science Associates, LLC

VI. International

- Served as UNDP's TOKTEN Scholar overseas; currently engaged with the UN colleagues on the development of sustainable development laws.
- Assisted numerous overseas universities in curriculum development, especially at the interface of science & technology, and society and policy.
- Procured through personal resources and donated to Pace a 12 inch refractory telescope, ORION SKYQUEST XT12 IntelliScope. Has over the years been instrumental in corporate chemical instrument donations to Pace.

B. TEACHING

Recipient of Kenan award for Teaching Excellence (1996)

I. Chemistry

(Analytical, general, instrumentation, environmental, inorganic, nursing)

II. Environmental Science

(Special graduate and undergraduate topics, sampling, field analysis)

III. Environmental Law

(Co-developed and taught as adjunct professor at the law school (1988-2003): Law802: scientific and Technological Issue in Environmental Law for LL.M and J.S.D. students)

Pharmacology

Adjunct (CUNY Medical School)

Neuroscience

Adjunct (CUNY Medical School) Dermatology

Adjunct (New York Medical College), has co-mentored PhD dissertations

Have taught (PT/pd) or developed curriculum in sciences at the high school level

C. RESEARCH

-Co-authored (Broderick, Rahni, Klodney)) with CUNY and NYU Medical School colleagues the book, ***Bioimaging in Neurodegeneration***, published by Humana Press

-Visiting Senior Associate, Pharmacology, CUNY-CCNY Sophie Davis (2002-2003)

-Recipient of J. William Fulbright Senior Research Scholarship, Denmark (1993-94)

-Visiting Professor University of Oxford, UK (1994)

-Recipient of the ACS award as Distinguished Scientist of Westchester (1996)

-Recipient of Algorithm Science & Technology International Award (2000)

-Visiting research positions at IBM, Ciba and Universities of Rome and Florence (1987, 1991-93)

Several hundred publications and, or presentations in one of the following categories:

I. Science

(Biosensors, analytical chemistry, asymmetric organic heterocyclics)

II. Engineering and Technology

(Nano-engineering, electrodeposition, chemical engineering and manufacturing of nano-metal laminates, QA/QC)

III. Medicine and health

(*In vitro* and in vivo monitoring of brain neurotransmitters, behavior and the effect of anti-psychotic antagonists, implantable devices to assess anthropogenic chemical effects, neuropsychopharmaacology)

IV. Environment

(Method development for pollution detections and health effects)

V. Forensics

(Detectors for deterrence and early detection of nerve gases and chemical warfare, anthrax insights)

VI. Science, society and Policy

(National agenda on science-education)

VII. Immigration and assimilations

(Discrimination, assimilation and integration topics with emphasis on first generations)

VIII. International and Foreign affairs

(Cultural, historical, and societal development in Iran and the Middle East)

STATEMENT OF ACADEMIC ADMINISTRATIVE PHIOLOSOPHY and MANAGEMENT STYLE

David N. Rahni

Leadership by its virtue requires a number of key attributes to succeed harmoniously in any organization. Such benchmark qualities are, however, unique and perhaps somewhat challenging in a not-for-profit entity such as an academic institution, as a leader must deal with a number of seemingly divergent constituencies of students, parents, faculty, staff, trustees, and alumni. The next level of constituencies to which an academic leader feels ethically responsive to, are public at-large, professional societies, government and accrediting agencies and the national and the world citizenry. All in all, an effective leader, based on consensus building strategies, helps lead the articulation and/or refinement of the unit, college and university's vision and mission by devising key indicators. S/he would then aspire to identify intellectual (human) and material resources from within and without the institution so as to facilitate the operationalization of the strategic agenda as worked on, and embraced by the community as a whole. Simply put an effective leader helps bring out the best possible participation and stewardship from each constituency, toward the institutional and community objectives and outcomes.

Such leadership tasks are *much easier said than done*. It requires a truly multi-jurisdictional approach to tackling tactfully a set of genuinely multi-disciplinary and at times self-driven agenda. Interpersonal, social and communicative skills, sustained levels of self-exemplary acumens in teaching, research and scholarly contributions along with a multidimensional service portfolio, then become the prerequisites in an integrative a flat model of governance for an effective academic manger. Transparency, candor and consistency in communications and implementing policies, complemented by receptive hearing (not simply listening) should then lead to mutual trust between the faculty and their peer in leadership capacity, a necessary foundation on which common community goals can then be defined, anchored on, implemented, assessed, and optimized *(Total Quality Management.)* As much as we each as faculty may be expected to serve altruistically and above our normal call of duties, it becomes a daunting task to expect all peers to remain fully energized in every ongoing project. A measurable enhanced sense of full participation and substantive contribution by each university peer in their own selected endeavor (teaching, research or service) may occur if and when one in a leadership position could succinctly articulate the community goals along with measurable positive feedback to each faculty. The opportunity to allow the fully engaged faculty and staff clusters and departments to responsibly own, steward and embrace the creation and the fruits of their intellectual labors is self-gratifying for most vanguards, and should thus

be substantively acknowledged. The least is that it satisfies the flamboyancy or eccentricity, as exerted by a number of faculty colleagues eminently present on the spotlight on every campus! Recognitions in official written communiqués or periodicals (*e.g.*, alumni magazines) and special event functions, award recognition, name dedications, media promotion coverage, etc. help securing prominent sabbatical leaves, national lab or corporate *per diem* affiliations, and duly earned credits toward promotion to higher ranks or tenure or career development then serve as the driving impetus to ensure the integrity of the institutional objectives are safeguarded and realized with input from each and every faculty. The above notwithstanding, and although a leader must remain committed to shared faculty governance and academic freedom within the guideline of AAUP and Faculty Handbook, at the end of an academic day, there are specific faculty colleagues within committees who complete tasks and help the institution move forward.

An effective academic leader would advocate for students, faculty, and staff before administration, but never considers his/her position as permanent, rather commits to term limits. S/he will help other faculty members nurtured in the pipeline to take on the leadership positions. Let me reiterate that no one can discount the seriousness of the nature of academic leadership and the multitude of challenges which come with it. Research, has, however supported that the more successful leaders are those who remain genuinely engaged in the community. This requires open door policy, good set of ears and heart, realistic promises, promising less and delivering more to the pleasant surprise of everyone, remaining active in team teaching and collaborative research, treating everyone with respect and the truth, exhibiting high ethical and moral values, and last but not least "trust but verified." It is in the spirit of creating a nurturing and harmonious leadership style that I submit my portfolio for your kind review. I thank you very much for your consideration.

Dear Comm. Members, Consistent with the standard protocol and as articulated by the Federal Government Office of Personnel Management, The following five categories have qualified me as a finalist for senior executive schedule positions:

EXECUTIVE CORE QUALIFICATIONS (ECQs)
David N. Rahni, Ph.D.

Leading People: Graduate Environmental Science Program

Context: Having spent an ample amount of my academic and professional life on topics of environmental and quality-of-life significance, I have always striven to create and support similar endeavors in the community. It was in this spirit—following a 1993-94 sabbatical leave, during which I served as a Fulbright Senior Research Scholar at the Technical University of Denmark and a visiting professor at the University of Oxford—that I envisaged the merits of an innovative graduate program in Environmental Sciences to serve the needs of the New England region and beyond.

Challenge: Confirmed by the market analysis survey I devised and completed, I was entrusted by Pace University peers and administrative leadership to tackle the curricular and human resource development of a new Environmental Sciences program. From the beginning, I recognized the imperative limitations of such a program, especially regarding financial and faculty participation challenges, and competition from similar established programs elsewhere. Upon continuous consultations with colleagues, I soon appreciated that in order for the new program to succeed, it needed to be truly interdisciplinary and multi-jurisdictional, thereby benefiting from the intellectual, instructional, and scholarly input of faculty who extend themselves beyond and across a multitude of traditional departments. Specifically, it needed to equip the soon to-be program graduates not only with scientific and technological competencies, but also with legal, ethical, and communicative skills that would enable them to succeed in their professional endeavors.

Action: Before developing the course synopses and syllabi, laboratory experiments, and strategic research visions and directions, the need to assess similar "elder" sister programs became obvious. Hence, I asked for and received an immense amount of information from nearly sixty institutions on their graduate environmental programs, and supplemented it with an extensive Internet-based survey. Deciphering information through such efforts was especially educational in assisting me to avoid constructing yet another duplicate program and position our program in a truly unique fashion. Bi-monthly meetings with a select group of faculty who had expressed enthusiasm toward the program, and had pertinent environmentally related track records, provided a nourishing environment that moved the program development forward smoothly for nearly three years, leading finally to its submission to the New York State Department of Education for approval. I then became actively engaged in hiring faculty, staff and students, and in developing budget models and outcome assessment tools for the program. The full-time faculty had dual responsibilities: each was housed in a traditional academic department with teaching responsibilities in both their respective department and our program. The program was instrumental in providing a novel opportunity for our exemplary faculty to shine, while encouraging others to strive for excellence by joining in a *win-for-all* opportunity. Moreover, talented adjunct faculty from government and private sectors, and from environmental research and policy advocacy organizations, were hired for specialized courses for which in-house

expertise was scarce. Subsequently, an external advisory board was set up to oversee the program and provide feedback for continuous refinement, while facilitating cooperative, internship and permanent employment positions for the program graduates.

Result: Before our program was approved, our Provost reminded me of the rather long waiting period—as long as one year—that we could expect before hearing from the NYS Education Department, and then only with the likelihood of their recommending major revisions if not flatly rejecting our proposed program. Having served as an active faculty member in the accreditation and re-certification processes of the Middle States' Report, Institutional Strategic Agenda and the American Chemical Society, I was cognizant of the backlog associated with such external procedures. Well, we were all ecstatically surprised to receive an affirmative approval of our program in an unprecedented four months!

Our graduate program is heavily rooted in the natural and physical sciences, but it also has respectable representation in environment law, ethics, engineering, and business. It has attracted talented prospective students of diverse ethnic and undergraduate backgrounds, not only from the New York metropolitan area, but also from across the country and across oceans. Having worked as an adjunct professor at Pace University since the late '80s, in both their undergraduate science department and in their internationally recognized LL.M. and J.S.D. environmental law programs (ranked No. 3 in the nation according to US News & World Report), it is highly gratifying to me to have played a leadership role in the inception and implementation of their graduate environmental science program. Indeed, that program that may have in part led to the recent inauguration of a university-wide Pace Academy for the Environment, a dream-come-true center that should truly enhance our environmentally related programs, thereby has conspicuously placed Pace on the academic map. It is also worth noting my course, entitled "LAW802: Scientific and Technological Issues in Environmental Law, " that is offered to postgraduate students who are mostly practicing attorneys from the private and public sectors. Developing a similar sci./tech.- based course for law enforcement personnel, with emphasis on various aspects of forensics, is achievable in a rather short period of time. This has provided the opportunity to interact with some of the pioneers in the energy, renewable resources and environmental policy makers and shakers, as typified by Dick Ottinger, Bobby Kennedy, Jr. and Nicholas Robinson.

EXECUTIVE CORE QUALIFICATIONS (ECQs)
David N. Rahni, Ph.D.

Communication/Building Coalition: Partners for Sustainable Development

Context: Ever since moving to Westchester County, New York, after my completion of post/pre-doctoral work in New Orleans, I developed an affinity for working on community -related projects on a *pro bono* basis. This led to my appointment to the Village of Ossining Environmental Advisory Board, followed by my serving on the Citizen's Advisory Board for our Congresswoman Nita M. Lowey. In addition, the historical and natural beauty of the lower Hudson River basin provided an excellent backdrop for nearly 800 Non-Governmental Organizations that I strove to learn about. A commitment to the concept of sustainable development was endorsed by hundreds of Pace faculty, students and staff across the institution.

Challenge: While participating in meetings held by a few of these organizations, including Westchester Chemical Society (1000-plus members), for which I was elected Chair in 1991, I became cognizant of the minimum amount of intercommunication, and at times competition and duplication, among some of these organizations.

Action: An on-going dialogue with the founders of Westchester Land Trust, a 501 (c) (3) institution that has purchased vast amount of lands for the protection of NY City watershed, led to the development of Partners for Sustainable Development (PSD), for which I was again elected first Chair, in charge of coordinating its by-laws and setting its agenda. It was a loose coalition of dozens of environmental groups with representatives from local government, UNEP, EPA, schools' superintendent, principals, teachers and students. Its goal was to define a set of key indicators to assess the quality of life in our communities from the perspectives of sustainability, through regular meetings, workshops, surveys, and filed projects. Topics such as local transportation, land use, watershed protection, pest management and pesticide use, Hudson River PCB mitigation, and energy usage and alternative technologies were among the topics tackled. This later led to my selection to serve on another countywide federation of over fifty organizations, Federated Conservationists of Westchester (www.FCWC.org). FCWC provides advice and analysis to the County Executive and the Board of Legislators and local governments on topics similar topics to those cited above. Fund raising is an integral component of our endeavors. I took a course of study entitled, "Mediation, Conflict Prevention and Conflict Resolution", which further enhanced my communicative and negotiating skills for building coalitions around common missions.

Result: PSD and later FCWC are credited as having brought the community as a whole much closer to articulating their quality-of-life aspirations; the community is a much safer and better place in which to reside and work, thanks in part to these two organizations. As the community in the lower Hudson Valley embarks on the possible decommissioning of its now-over- thirty-years-old nuclear reactors, mitigating the PCBs in the Hudson River (through dredging technology and as mandated by the Federal Government and EPA oversight) and building a much more efficient public transportation system (including a new bridge across the Hudson River), it is gratifying to observe the increasing role of organizations in which I play a leadership role. Another natural component of such activities has led to my serving on a NY State Bar Association *ad hoc* committee which, after working for over two years, held a conference on economic development, and energy and environmental quality. In the conference, we made forty

recommendations to the government and private sector for energy efficiency, alternative technologies, and carbon dioxide and pollution trading. Another aspect of the endeavor dealt with my invitation by the then Chemical Manufacturing Association to audit the environmental and safety protocols of an international specialty chemical corporation with annual gross revenue of over $6 billion dollars.

Finally, allow me to share with you an excerpt of a piece I published in the January 19, 2001 issue of the Chronicle of Higher Education:

"Recognizing the Earth's finite natural resources and its limited carrying capacity, we should appreciate that we are merely the guardians of such resources having borrowed them from our future generations, and not the sole proprietors having inherited them from our past ancestors. Therefore, we should perpetually refine and optimize practices, lifestyles, science and technologies and Yes, novel green chemistries that are environmentally benign by design-- that meet the needs of the present generation without compromising the abilities of the future generations to meet theirs. We humans are not the apex of the pyramid of life, but rather an integrated and interactive player of a horizontal web of life. This requires a multijurisdictional paradigm shift with a cross disciplinary approach that almost touches all the "E" curricula: Earth, Environment, Ecology, Education, Energy, Economics, E-Commerce, E-Communication, Ethics, Equity, aEsthetics, and Empowerment....This is the epitome of sustainable development and inter generational equity as a guiding principle in my life."

EXECUTIVE CORE QUALIFICATIONS (ECQs)
David N. Rahni, Ph.D.

Business Acumen: American Chemical Society

Context: Volunteerism and the nature of financial contributions have changed considerably during the past decade. While individual donations to specific causes exhibit modest growth, corporate contributions have dwindled. Increasingly, corporations assess direct short-term benefit as the sole criterion for donating to a particular project in the community. Furthermore, corporations and professional organizations provide less merit to community service as provided by their employees.

Challenge: Recognizing the strenuous nature of obtaining material and human resources for successfully executing professional objectives in a non-for-profit setting, I have become rather savvy regarding how to do more with less, while relying on innovative ways of securing funds.

Action and Result: Back in 1997, I was commissioned to serve as the General Chair of the Middle Atlantic Regional Meeting of the American Society. By building an organizing and hosting committee comprised of 15 talented professional colleagues from academia, industry and government, we were able to hold the four-day conference at Pace University. During the conference, nearly 300 presentations, workshops, short courses and other professional events served the interests of nearly 800 people. I personally took on the challenge of not only overseeing the integrity and quality of the program, but also completing its fund-raising efforts, which far exceeded our expectations. In fact, we were able to supplement the reserve for the subsequent conferences and help set up a student scholarship. This successful event led to my election as Chair of the American Chemical Society's (ACS) New York Section, with a membership of nearly 5,000 and a monthly magazine with a circulation of 13,000. In such a capacity, I was again challenged by the needs of our members and our educational outreach to tens of thousands of students. I organized and steered our activities through nearly 35 committees comprised of 250 energized peers for over 400 annual events, a budget of $1M, and it was my innovative fundraising and other pertinent activities that made the year one of the most financially successful in the 100-year history of the society. (As an interesting aside, the ACS NY section awards the oldest chemistry honor in the nation, the Nichols Medal, and one third of the nearly 100 award recipients are also Nobel Laureates during their lifetimes). My fundraising leadership in 1999 for this specific event not only covered most of the costs of the conference and black-tie banquet for nearly 500 people, but also yielded a surplus. This was only made possible through recognizing talented peers to work with, while providing spotlight opportunities for all to shine.

EXECUTIVE CORE QUALIFICATIONS (ECQs)
David N. Rahni, Ph.D.

Results Driven: Inter-collaborative Research

Context: While attending to my doctoral work at the University of New Orleans (LSU), I began to appreciate the student-teaching component of my responsibilities. In retrospect, I realize that that must have added to my growing conviction to select a professorship in a predominantly teaching institution in 1986. A professor in the academe is regarded as a supervisor, managing his students, classes, research team and inter-collaborative scholarly endeavor, instrumentation and grants acquisition, maintenance, etc.

Challenge: After several years of teaching when I was bestowed to a tenured full professorship in an unprecedented period of less than seven years, I recognized the need to remain abreast of the latest developments in chemistry, science, society and policy to bring in first hand relevant real life examples to my teaching. This in turn needed a meaningful level of scholarly endeavors as evidenced by a reputable level of peer-reviewed publications and presentations.

Action: I was able to overcome the material, instrumentation and intellectual limitations of my home institution, along with a heavy teaching load, by establishing inter-collaborations with colleagues from other institutions worldwide (Universities of Oxford, Rome, Florence, New Orleans, Rio De Janeiro, SUNY at Stony Brook and Technical U. Denmark) and corporations (IBM, Pepsi, Universal Sensors, Ciba). That activity was made evident by my scholarly output.

Result: Such inter-collaborations have brought me and our student body at Pace University tangible benefits far beyond our rather prolific level of broad research productivity, spanning analytical chemistry, enzymology, manufacturing quality assurance and control, nano-engineering, forensics, clinical and environmental method development, and organic synthesis. In fact, the breadth of knowledge that I have acquired over the past nearly two decades has now extended itself to the exciting field of neuro-psycho-electro-analytical pharmacology. I have been exploring this novel field since my current sabbatical leave at CUNY Medical School in Harlem, New York, where, in collaboration with NYU School of Medicine colleagues, we are developing and testing in vivo microelectrodes for real-time monitoring of key neurotransmitters in the brain in cocaine and narcotic addictions and for neuro-degenerative diseases. Such activities have given me the opportunity to bring real-life, cutting-edge, relevant examples to a classroom setting, so as to shed light on the rather intricate scientific theories I present to my students. Besides, one might observe the enormous amount of capital and intellectual resources that would have otherwise been needed to accomplish the level of scholarly productivity achieved herein, had it not been for leading such inter-collaborations. Pragmatism therefore, a philosophical paradigm to identifying realities and then pushing the boundaries to the limit to bring about results that benefits all parties engaged, has become a guiding principle in my professional and private life.

EXECUTIVE CORE QUALIFICATIONS (ECQs)
David N. Rahni, Ph.D.

KSA #1 *Knowledge the application of educational principles, methods, practices, techniques of instruction, the case study method, seminar leading, etc. suitable for teaching law enforcement professionals.*

Teaching, sharing and integrating knowledge with my students at the undergraduate and graduate sciences, environmental law majors and non-science majors, including criminal justice students, is one of the most gratifying components of my professional endeavors. While attending various in-house and educational conferences and workshops, and by keeping abreast of recent development s through literature and the Internet, I regularly investigate the most up-to-date pedagogical approaches and the appropriate use of innovative and technologically based instructional aids for possible incorporation into my courses. My philosophy for teaching effectiveness is based on a contextual, learner-based, and student-centered approach that perpetually strives to incorporate appropriate technologies, instrumentation, experimentation and simulations as aids to the process of team-based interaction. Through the use of computers since the late 70's (PDP-11), and the application of databanks offered by the Chemical Abstract Service and Index Medicos, I have remained an avid user of technology, computation and instrumentation as an integral component of teaching pedagogy. In fact, I was among the pioneers in setting web-based topical and power point lecture notes and other pertinent resources for my students since the early 90's. I have regularly utilized publishing, presenting, data warehousing, statistical and assessment (SAS, SPSS), data acquisition, and graphical software packages for nearly twenty years. I am well versed with the appropriate use of CD/DVD-based teaching and distance-learning technologies. Throughout my career, I have been instrumental in offering dozens of short courses and worktops to professional industry peers for continuing education purposes. Therefore, my teaching-track records with science, non-science and environmental law students, when combined with my skills acquired through the appropriate use of technology should enable me to work closely with faculty to implement an optimized level of instruction conducive to learning by law professionals. My vast experience across science, technology, and medicine, in academia, industry, government and community, serve as the backbone of my oral and written teaching and communication to diverse student and community audiences.

EXECUTIVE CORE QUALIFICATIONS (ECQs)
David N. Rahni, Ph.D.

KSA #2. *Knowledge of faculty development programs.*

I always boast my love for learning to the point of having stayed in college for the rest of my life! This has necessitated the need and merit for continuous refinement in the contents and pedagogy for my interdisciplinary teaching, none of which would have been possible if I had not made a commitment to faculty development. Attending national conferences as presenter and presider as typified by my upcoming symposium on Counter-terrorism and Homeland Security at the March 2004 Pittsburgh Conference in Chicago, or for self-enrichment purposes, has also been another component of faculty development that I have advocated for others while personally benefiting from it immensely. As the director of the graduate environmental science program—the equivalent of a departmental chair position, at the minimum—I devised a faculty development plan for our junior faculty members and facilitated their growth. Pace has a renowned Pfortzheimer Center for Faculty Development that has provided regular workshops and continuing education; I am a periodical participant, but more importantly, I am cognizant of is strategic approach to faculty development. Another component of faculty development is intercollaborative endeavors with peers at other institutions including sabbatical leaves. As active member of the ACS Education and Professional Relations Divisions, I remain abreast of the latest development and technological aid in support of chemistry and science instructions. I have again maintained an on-going dialogue on this issue and have benefited from two very productive sabbatical leaves: in 1993-94 when I served as J. William Fulbright Senior Research Scholar at the Technical University of Denmark, and visiting professor at the University of Oxford, and my current 2002 sabbatical leave serving as a senior Medical Research Assoc. at CUNY Medical School in Harlem, New York. Lastly, I have regularly attended workshops, short courses, conference symposia on teaching methods and relevant scholarly topics as an integral component of my faculty development portfolio.

Curriculum vitae

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Higher Education Experience

Associate Provost for Academic Affairs (int)	Pace University (2013)
Professor	Pace University (1986-present)
Chair	The Faculty Council (2011-present)
Sr. Med. Res. Assoc.	CUNY Medical School, CCNY, Harlem, NY (2000-04)
President/CEO	Chemical Detective and Health Allied Associates, LLC (consultancy, value added firm)
Adjunct Professor	LL.M. Environmental Law School of Law, Pace University (1990-)
Director (founding)	Grad. Prog. Environmental Science, Pace Univ. (1996-99)
Adjunct Professor	New York Medical College, Valhalla, NY (1994-)
Visiting Professor	Bioinorganic Chemistry, University of Oxford, U.K. (1994)
Fulbright Scholar	Technical University of Denmark, Manufacturing Engineering, Copenhagen (1993)
Visiting Professor	Inst. Anal. Chem., Univ. Florence, Italy (Summer 1990)
Director	Ctr. for Applied Analytical Chem., Pace University (1988-90)
Adjunct Professor	Manhattanville College, Purchase, N.Y. (1990-93)
Visiting Faculty	II University of Rome (Su1987) * U. Florence, Italy (Su 1991)
Post doctoral	(LSU) University of New Orleans (PT 1986)
High School	Has taught (part-time), chaired and developed science departments

Industry Experience

Corporate Reviewer	Chem. Manufacturing Assoc. Team Member: reviewed Environmental, Safety and Health, under Responsible Care Initiatives, Ciba Specialty Chemicals (Dec. 1998)
Expert Witness	Numerous legal cases and report writing (1991-)
Visiting Scientist	Ciba-Specialty Chemicals, Ardsley, N.Y. (1993)
Visiting scientist	IBM Thomas J. Watson Research Center, Manufacturing Engineering/Electrochemical Technology, N.Y. (1991-92)
Research Scientist	American Health Foundation, Valhalla, N.Y. (Fall 1987)
Research Chemist	Universal Sensors, Inc., New Orleans, L.A. 70006 (1985-86)
Lecturer	Akzo-Nobel, Inc. (March 2003)
Consultancy	Have served per diem on numerous legal and technol. projects (Pepsi)

Academic Training

Degree	Major	Minor	School	Year
Ph.D.	Analytical Chemistry	Inorganic/Bio-Chemistry	University of New Orleans (LSU)	1985
M.S.	Chemistry	Biochemistry Statistics	Eastern NEW Mexico University	1980

B.S.	Chemistry	Biological Sciences	The National University	1979

Honors

- Harvard Academic Leadership Fellow (MDP) and on Assessment in Higher Ed workshop
- Outstanding Service Award, Am. Chem. Soc. NY (2006)
- Algorithm Scientific International Award (2000)
- Kenan Award for Teaching Excellence, Pace University (1997-98)
- Distinguished Scientist, The Am. Chem. Soc. Westchester Section (1996)
- J.W. Fulbright Senior Research Scholar, The Technical Univ. Denmark (1993)
- Visiting Professor of Chemistry, The University of Oxford, UK (1994)
- Visiting Professorship Award, The Royal Danish Society, (summer 1994)
- Outstanding Graduate Student in Science, Eastern New Mexico Univ. (1980)
- Member, Sigma XI Research Honor Society (1984)
- On the "Hall of Graduate Honors," Eastern New Mexico University
- Outstanding Service Award, The Am. Chem. Soc. Westchester Section (1991)
- Service Award, by the ACS New York Section for MARM'97 Leadership as Chair

Other Professional Activities

Councilor	American Chemical Society
Board of Editors	Member, Forensics Science Comm. J. (2001- pub by the FBI)
Chair-Elect & Chair	American Chemical Society's New York (1999 & 2000)
Fulbright Review B.	Member, Scandinavian Countries
NIH	Proposal Reviewer (Bioengineering, Physiology, Radiol/Surgery)
Member	Federated Conservationists of Westchester County, NY
Co-Host	Rockefeller University's designation as National Historic Chemical Landmark, Symposium and Banquet
Trustee Board Member	Helena Kaushik College for Women
Founding Member	Committee on NYS Conference on Economic Development And Climate Change (1997-98)
Member	Environmental and Sciences Advisory Council for Nita M. Lowey, 20th District US Congresswoman (1989-92)
Chair & Founder	A partnership with half dozen school districts, towns, Westchester Land Trust and Pace entitled, "Partners for Sustainable Development in Lower Hudson Valley" ('96-97)
Visiting Faculty	The United Nations Development Prog. (Summer 1992 & 95)
General Chair	31st.Mid-Atlantic Reg. Conf., the Am. Chem. Soc (300 papers)
Chair	Chair (1991), Executive Secretary (1989), Member, Board of Directors (1988-'92), Westchester Chem. Soc. of the ACS
Member	Env. Advisory Council, Ossining, New York, (1990-1993)
Member	Rene DuBos Annual Environmental Conference (1998-99)
Reviewer	Analytical Letters and Journal of Iranian Chemical Society (JICS), also on National Science Foundation and NIH reviewers list
Host Member	National Am. Electrochemical Society Conference (1984)
Host	ACS Industry-Academe Comm. (1987-99)
Host	ACS-NYS Students' Research Assoc. (1987) and member (1986-2004)
Member	ACS-NYS Environmental Committee (1995-)
Consultant	on the list for the UN Development Program (UNDP) Also, have served as consultant for manufacturing firms
Member	Chem. Manufacturing Assoc. team to review Responsible Care, and Environmental Health & Safety policies and practices of a multi billion dollars corporation.
Chair	ACS Nichols Medal Symposium and Banquet March 1999

Fund raising	Active with successful track records
Scholarship Fund	Established a chemistry student scholarship fund
Instrumentation	Have acquired instruments worth over $300K donated to Pace U (form Agilent and local industries)
Editor	North Am. Editor, JICS, the Journal of Iranian Chemical Society

Personal

-U.S. Citizen
-Married, three children
-Multi-lingual, diverse heritage, and inter-culturally cognizant
-Interpersonal skills, oral and written communications
-Well traveled; lived in, and visited over 20 countries
-Global orientation and extensive professional and personal network spanning in all continents, especially in the U.S.

Self Continuing Education

Computer-Integ (Lab Automat)	ACS Short Course	1987
Chem. Challenges in Immunology	ACS Short Course	1988
DNA Probes & Related Tech	ACS Short Course	1989
Bioconjugate Chemistry	ACS Short Course	1990
Characterization of Protein Folding (2D-NMR & CDs)	Univ. of Oxford	1994
Offered a three day workshop	Denmark	1994
GC/MS Environnemental Application	ACS	1995
On Surface Characterizations		
GC/MS, LC/MS	HP Facilities, NJ	1998
2 ACS Leadership Retreats	Ft. Lauderdale	1996 & '99
Univ./Industry/Government	AAAS &MIT	1999
Practicum in Mediation and Negotiation (Graduate Course)	**Columbia/Pace Univ.**	**2000**

Society Memberships

American Chemical Society	Sigma XI Research Society
Analytical Division of ACS	New York Division of ACS
Westchester division of ACS	New York Academy of Sciences
American Association for Clinical Chemistry	Society of Electroanalytical Chemistry
Chair, Persian-American Chemists' Assoc.	Education, Environmental, and Polymer Founder, & 1st Professional Relation of ACS
	Fulbright Alumni Association

Fields of Interests and Experience

- ***Academic Leadership in Higher Education for the 21st. Century***

Distance learning, on-line education, integrated approach to teaching, scholarly pursuit and service, inter-culturalism and multi-lingualism, internationalization, diversity, public science literacy, science education, appropriate use of instructional technology, inter-, and multi-disciplinary, and multi-jurisdictional team approaches to curriculum, and, student centered, learner based, life-long and adult education. I have assisted in endowment and public image building, industry-academe and community collaborations. I have participated in debates on

higher education challenges, as promoted by Pew Charitable Trust, Knight Collaborative, Carnegie Council on Ethics and International Affairs, and, Carnegie Endowment for Teaching among others.

- ***Scholarly track records***
  Analytical chemistry, clinical, environmental and process method development; Synthesis and structural elucidation of novel heterocyclics; nano-engineering; manufacturing, in vitro and in vivo monitoring of brain neurotransmitters, forensics, and process and QA/QC (nano-)engineering.

- ***Environmental and Natural Resource Conservation***

  DNA adducts as agents for chemical or environmental carcinogenesis, or mutagenesis, Sustainable Development, environmental chemistry and science, law, and policy, environmental forensics, environmentally benign by design and green technologies, persistence, bioaccumulative and toxicity assessment of industrial chemicals, climate change and natural resource conservation, ISO 9000 and 14000 series, Environmental Management System.

- ***Government, Science & Technology, and Society***
  National priorities for global competitiveness, science education, environment and climate change, health care and preventive medicine, urban crime prevention and control technologies and forensics, science in space, and international cooperation in science and engineering.

Teaching Experience

Environmental Chemistry and Science, General Chemistry I & II for science and non-science majors, Analytical chemistry, Instrumental methods of Analysis, Clinical Chemistry, Special Topics on Applied Electrochemistry with emphasis on Biosensors for Clinical, Environmental and industrial Analysis, Topics in Environmental Science, Advances in Surface Characterizations and Instrumentation for manufacturing engineering, Advanced Inorganic Chemistry, Chemistry of Art, and Scientific and Technological issues in Environmental Law. Graduate level Advanced Topics in Environmental Science I & II, advanced Environmental Analytical Testing. Also, I have assisted in the development of two Forensic Chemistry courses.

Research Skills and Tools

Spectroscopic:	NMR, MS, UV-Visible, Near & IR, Raman, Atomic Spectroscopy, AAS, AES, AFS, X-ray fluorescence and X-ray diffraction
Chromatographic:	GC-MS, HPLC, IC, CE and various detectors
Electroanalytical:	Potentiometric, amperometric, galvanostatic, voltammetric,& biosensors
Imaging:	SEM, STM, TEM, SFM, IR-ATR, & Fluorescence Microscopy
Filed Monitoring:	Potable instrumentation technologies for environmental, forensic, clinical, space exploration and manufacturing det.
Computers:	Versed with hardware and software management, Microsoft Suite, databases, network, computational, graphical and statistical packages.

References

12. Dr. Stephen D. Pastor, Senior Research Fellow, Ciba-Specialty Chemicals,
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13. Dr. Gregory Julian, Professor of Political Sciences, Pace University, Pleasantville, NY 10570-2799
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- A number of generic letters of support, kept on file, are available upon request.

Publications and Presentations

• Iran's education and research potential, **Science Magazine**, 2 June 2017. Vol 356 (6341).

• Iran's environment under siege **Science Magazine** 23 October 2015 350 (6259).

• **Pastor, S.D.; Shum, S.; Rahni, D.N.** Exocyclic Diastereotopic Protons as a Probe for Conformational Bias in Eight-Membered Rings Containing Phosphorous and Titanium, Phosphorus, Sulfur, and Silicon and the Related Elements V.188, Issue 5, May 2013, pages 623-632
.
• Book co-published.
BIOIMAGING IN NEURODEGENERATION
P.A. Broderick, David N. Rahni, I. Klodney (Humana Press.)

• **Rahni, D.N. Presider**, three symposia on Novel technologies for Homeland Security, Forensics and neurochemistry at the Pittsburgh Conference of Analytical Chemistry and Applied Spectroscopy (Orlando February 28-March 5, 2010). I have had such annual symposia since 1999.

• **Pastor, S.D.; Rahni, D.N.; Khoury, N.; Koch, S.A.** The Conformation of Sterically Congested Seven-Membered Rings Containing Tetracoordinate Germanium (IV): A First X-Ray Crystallographic Structure Determination. Phosphorous, Sulfur, and Silicon, 181: 1951-1956, 2006.

• **Rahni, D.N.** Presider, Symposia on Spectroscopic Methods for Counter-terroristic and Forensic Analysis and Biochemical Toxicology, Pittsburgh Conference, Orlando, Florida, March 2005.

• **Broderick PA, Rahni DN, Zhou Y.** Acute and subacute effects of risperidone and cocaine on accumbens dopamine and serotonin release using in vivo microvoltammetry on line with open-field behavior. Prog Neuropsychopharmacol Biol Psychiatry. 2003 Sep; 27(6):1037-54.

• **Broderick PA, Hope O, Okonji C, Rahni DN, Zhou Y.** Clozapine and cocaine effects on dopamine and serotonin release in nucleus accumbens during psychostimulant behavior and withdrawal. Prog Neuropsychopharmacol Biol Psychiatry. 2004 Jan; 28 (1):157-71.

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• **P.A.Broderick; N.Mjavia; C.N.Worrell; O.Hope; C.Okonji; D.N.Rahni; Y.Zhou** Clozapine effects on accumbens cocaine-induced dopamine and serotonin release on line with psycho-stimulant behavior using microvoltammetry: withdrawal studies. **Society for Neuroscience Annual Meeting, 2003 New Orleans.**

• **Rahni, D.N.** the Organizer and Presider, Symposium on Counterterrorism and Homeland Security at Pittsburgh Conference, Chicago's McCormick Convention Center March 7-12, 2004

• Co-organized and presented at four Conferences on Urban technology and development in Iran the talk title: The pursuit of scientific endeavors in the third world. A 175-page proceeding book published.

• **S.D. Pastor, D.N. Rahni, N.A. Syed, and A. Chandrasekaran** The Conformation of Sterically Congested Germanium Heterocyclics **Phosphorus, Sulfur Silcon and Relat. Elements J**. 2004, 179, 483-497.

• **S.D. Pastor, D.N. Rahni, N.A. Syed, and A. Chandrasekaran** The Conformation of Sterically Congested Germanium Heterocyclics **227th Am Chem Soc National Meeting**, Anaheim, CA; March 28-April 1, 2004; INOR 716.

• Rahni, D.N. THE PERSIANS: An Annotated Archaeological and Anthropological Anthology, Persian Heritage Magazine V.9 (2) 2004 www.persian-heritage.com

• Rahni, D. N. The History of Iranian (Persian) Flag, Persian Heritage Magazine, V.9 (2) 2004 www.persian-heritage.com

• Rahni, D.N. Presider at the Counter terrorism and Homeland Security Symposium, **The Pittsburgh Conference** Chicago March 7-12, 2004.

• **Rahni, D.N., Khoury, N., Richardson, C.F., Shum, S.P., Chandrasekaran, A. Syed, N.A., Pastor, S.D.,** Conformation of sterically congested eight-membered rings containing germanium: First x-ray crystallographic characterization of the boat conformation in a 12H-dibenzo[d,g][1,3,2] dioxagermocin accepted to appear in **Phosphorous, Sulfur, Silicon and related Compounds Journal** 2004.

• **Rahni, D.N., Broderick, P.A., Zhou, Y.** In vivo monitoring of dopamine and serotonin release in nucleus accumbens as a function of clozapine uptake, **Society for Neuroscience** New Orleans 2003.

• **Rahni, D.N.** A Paradigm shift in the scientific pursuits in the developing countries, **Persian Heritage Magazine** p. 60-63, 7 (2) 2003.

• **Rahni, D.N.** Middle Eastern Democratic Paradigm in the 21st century, **Persian Heritage Magazine** p. 17-18, 7(4) 2003.

• **Rahni, D.N.** Invited keynote speaker at two events sponsored by **Akzo Nobel** on trends and opportunities in forensics, and process analytical chemical engineering, Dobbs Ferry, NY April 2003.

• D.N. Rahni, Anthrax Insights, ***Journal of Forensic Identification****, 2002,* Vol 52, 86-94.

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• D.N. Rahni, Anthrax, ***InfoJustice*** *April 2002*, Society for Justice Through Science (Rahni bestowed as Honoree Fellow).

• D.N. Rahni, International students in the US, ***ACS C&N News***, November 26, 2001.

• S. D. Pastor*, A. Carinci, N., Khoury, D. N. Rahni, The Synthesis and Conformation of Sterically Congested Seven-Membered Rings Containing Tetracoordinate Germanium

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• Music Rules, an article on Greg Aslani, the renowned Persian-American Musician http://www.irantodayonline.com/newspaper/art/#MusicRules; also a modified version appeared in Parastoo Vol 14, No. 2, 2002, www.iranian.com and www.irantodayonline.com.

• Rahni, D.N. Presentation on my tenure as the 2000 ACS-NY Chair, ***ACS National Meeting***, Chicago August 2001.

• D.N. Rahni, Environmentalists should rethink strategy, ***The Chronicle of Higher Education,*** January 19, 2001.

• D. N. Rahni, Membership Efforts, ***ACS Chemical & Engineering News Magazine***, January 22, 2001.

• D.M.A. NabiRahni, on Secrecy in Science: University-Industry and Government Relationship, ***Chemical and Engineering News Magazine of ACS***, pp. 2, July 5, 999.

• The Critical Role of the Local Section of the American Chemical Society, ***ACS Chemical & Engineering News Magazine***, January 5, 2001.

• D.N. Rahni, Sustainable Development, ***ACS Chemical & Engineering News Magazine***, March 27, 2000, pp. 4.

• D.M.A. NabiRahni, A Perpetual Paradigm on Time and Calendars, ***Persian Heritage Magazine***, Volume 4, No. 16, winter 1999.

• D.M.A. NabiRahni, S.D. Pastor and V. Huang, Medium-Sized Organogermanium Heterocycles containing a Trasannular Sulfur Atom: First Synthesis and Characterization of a Sterically Hindered Eight-Membered 1 2*H*-Dibenzo [*d*,*g*][13,6,2]Dioxathiagermocin, ***Phosphorous, Sulfur and Silicon*** 1998, Vol. 139, pp. 87-96.

• D.M.A. NabiRahni, on Secrecy in Science: University-Industry and Government Relationship, ***Chemical and Engineering News Magazine*** of ACS, pp. 2, July 5, 1999.

• D.M.A. NabiRahni, P.T. Tang and P. Leisner, The Electrolytic Plating Compositionally Modulated Alloys and Laminated Metal Nano-Structures based on an automated computer-controlled dual-bath system, ***Nanotechnology Journal*** (published by the Royal UK Institute of Physics) 7 (1996) 134-143.

• D.M.A. NabiRahni, S.D. Pastor, J.S. Rogers, Synthesis and Conformation of Chiral

Eight-Membered 12H Dibenzo[d,g][1,3,2]dioxaphosphocins, ***Inorganic Chemistry Journal***, Volume 35 (1996), Number 7, pages 2157-2161.

• S.D. Pastor, V. Huang, D. NabiRahni, S.A. Koch, H.F. Hsu, A Neutral Spirocyclic Hexacoordinated Germanium (IV) Complex: Hupervalent Germanium Compounds with Sufur-Containing Eight-Membered Rings***, Inorganic Chemistry Journal*** (ACS) 36 (1997), 25, 5966.

• D.N. Rahni, Naturalized Citizen American Chemists: Contributions, Perceptions, and Challenges, ***Chemical & Engineering News Magazine***, the Official Publication of the American Chemical Society, February 24, page 6, 1997.

• D.N. Rahni, The Critical Role of Local Sections of the American Chemical Society ***ACS Chemical & Engineering News Magazine***, page 4, December 21, 1998.

• D.N. Rahni, National Association of Persian American Heritage (NAPAH), an article published in ***Persian Heritage Magazine***, Passaic, NJ Vol. 2, No. 6, 1997.

• K.R. Caldwell, D.N. Rahni, 31st Middle Atlantic Regional Meeting of the American Chemical Society: ***Book of Program and Abstracts***, 150 pages (May 1997).

• NabiRahni, D.M.A., L.T. Romankiw, pH and other chemical constituent Determination in the cathodic diffusion layers for the electrodepostition of permalloys, two ***IBM Internal Reports***, 1993.

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• C. D. Baumgarner, A. H. Malen, S. D. Pastor, and M. Ali NabiRahni, " The reaction of 9-bromoanthracene with benzenethiolate anion in tetraglyme: Evidence against a competing electron-transfer mechanism," ***Helv. Chim. Acta***, 1992,*75*, 480.

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• NabiRahni, D.M.A., Hill, A.H.O. Direct Electrochemistry of Enzymes and Proteins, ***Ir. J. Chem. And Chem. Eng***. Vol. 13, No. 1 , pp 43-57, 1995.

• Hill, H.A.O., NabiRahni, D.M.A., Moore, C.B. Electrochemistry of Redox Proteins, Bioelectrochemistry: Principles and Practice, Volume 5 ***Bioelectrochemistry of Bio-macromolecules***, ed. G. Lenaz, and G. Milazzo, Published by Birkhauser 1997.

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• NabiRahni, M.A.; Vaid, R.R. Development and application of an immobilized enzyme electrode for the determination of sulfite in foods and feeds, ***Analytical Letters Journal***, 75(2), 480-486 (1992).

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• NabiRahni, M.A.; Vaid, R.R. Bio-electrochemical noses: Immobilized Biosensors for Clinical, Environmental and Industrial Application, ***PRAWNS***, A periodical by the department of Biological Sciences, Pace University, 1989, Vol 4, 3-7.

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• NabiRahni, M.A.; Lubrano, G.J; Guilbault, G.G. Stability studies of immobilized acetylcholinesterase, ***Enzyme and Microbial Technology Journal***, 1987, 9, 74-78.

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• NabiRahni, M.A.; Neto, O.G.; Guilbault, G.G. Immobilized enzyme electrode for the determination of oxalate in urine, ***Analytical Chemistry Journal***, 1986, 58, 523-526.

• NabiRahni, M.A.; Kuan, S.S.: Guilbault, G.G. Aerobic microbial degradation of chloroform: Construction of an immobilized enzyme electrode for chloroform assay, ***Enzyme and Microbial Technology Journal***, 1986, 8, 300-304.

• NabiRahni, M.A.; Palleschi, G.; Lubrano, G.J.; Ngwaibi, J.N; Guilbault, G.G. A study of interference in glucose measurements in blood by hydrogen peroxide based glucose probe, ***Analytical Biochemistry Journal***, 1986, 159, 114-121.

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• Dissertation: "Immobilized enzyme electrodes for clinical and environmental assays" December 1985, available from ***Academic Microfilm***, Ann Arbor, MI.

Selected Presentations

• Dopamine (DA) and serotonin (5-HT) release in nucleus accumbens (NACC) during locomotion in a real-time in vivo microvoltammetric study P.A.Broderick1,2*; Y.Zhou1; D.N.Rahni1,3 1. Physiology & Pharmacology, CUNY Medical School, New York, NY, USA; 2. Neurology, NYU School of Medicine & NYU-Mount Sinai Comprehensive Epilepsy Center, New York, NY, USA; 3. Chemistry & Physical Sciences, Pace University, Pleasantville, NY, USA [Society for Neuroscience National Meeting, November 1-8, 2002 Orlando, FL.]

• A novel micorvoltammetric approach for the determination of nitrous and nitric oxides: Human epilepsy. D.N.Rahni1,3*; S.V.Pacia2; P.A.Broderick1,3 1. Physiology & Pharmacology, CUNY Medical School, New York, NY, USA; 2. Neurology, NYU School of Medicine & NYU-Mount Sinai Comprehensive Epilepsy Center, New York, NY,

USA; 3. Chemistry & Physical Sciences, Pace University, Pleasantville, NY, USA [Society for Neuroscience National Meeting, November 1-8, 2002 Orlando, FL.]

• Neurotransmitter Signatures: A Comparison of Microvoltammetric BRODERICK PROBES® *vs.* Raman Spectroscopy Foucault, R; Broderick, PA*; Rahni , D.N*§; Lombardi, J.R and Birke, R.L. The City College of New York and the CUNY Graduate Center, NY 10031* Department of Physiology and Pharmacology, The CUNY Medical School, New York NY 10031§ Department of Chemistry, Pace University, Pleasantville NY 10570-2799 [at the NIH Meeting, New Orleans, November 2002.]

• N. S. Khoury, S. D. Pastor, and D. N. Rahni; 219th ACS National Meeting, San Francisco, CA; March 26-30, 2000; Abstract INOR 301.

• N. Khoury, S. D. Pastor, and D. N. Rahni; 217th ACS National Meeting, Anaheim, CA; March 21-25, 1999; Abstract CHED 296a.

• A. Carinci, S. D. Pastor, and D. N. Rahni; 215th ACS National Meeting, Dallas, TX; March 29, April 2, 1998; Abstract CHED 469.

• S. P. Shum, S. D. Pastor, H. Meier, G. Rihs, A. D. DeBellis, and L. P. Burke; 209th ACS National Meeting, Anaheim, CA; April 2-6, 1995; Abstract INOR 158.

• J. S. Rogers, S. D. Pastor, D. NabiRahni, and E. D. Stevens; 209th ACS National Meeting, Anaheim, CA; April 2-6, 1995; Abstract CHED 284.

• C. F. Richardson, S. D. Pastor, and D. NabiRahni; 205th ACS National Meeting, Denver, CO; March 28-April 2, 1993; Abstract CHED 195.

• A. H. Malen, S. D. Pastor, and D. NabiRahni; 203th ACS National Meeting, San Francisco, CA; April 5-10, 1992; Abstract CHED 112.

• D.N. Rahni, Nancy S. Khoury, S.D. Pastor, Synthesis and Conformational Analysis of Germanium seven and eight-membered congested Rings, 216th ACS Annual National Meeting, Dallas, TX, April 1999.

• Nancy S. Khoury, S.D. Pastor, D.N. Rahni Synthesis and Structural Elucidation of Novel Germanium Heterocyclics, 218th ACS Annual National Meeting, Inorganic Division, San Francisco, CA April 2000.

• D.N. Rahni, Medical Curriculum Reform: an Integrated cased based management approach, CUNY Sophie Davis School of Biomedical Sciences, City College, NY March 19, 1999.

• D.N. Rahni, Biosensors for Medical monitoring and Clinical Assays, Sophie Davis School of Biomedical Sciences, City College, NY May 17, 1999.

• D.N. Rahni, a talk on the integration of environmentally related academic, scholarly and service endeavors across a university, Pace Environmental Law Society, March 4, 1999.

• D.N. Rahni, a series of lectures on opportunities in marine and land based environmental analytical chemistry with emphasis on the use of biosensors, California State University at Monterey Bay, January 15-17, 1999.

• D. N. Rahni, Analytical Chemistry and its relevance to science and society, CUNY Lehman College, March 1999.

• D.N. Rahni, N. Khoury, Novel synthesis of Germanium congested heterocyclics, *ACS National Meeting,* Anaheim, CA April 1999.

• A. Carinici, S.D. Pastor, D.N. Rahni The Conformation of Medium-Sized Rings: Spirocyclic Dibenzo[D,F][1,3,2] Dioxagermepins, , *National Meeting of ACS*, Dallas, TX, March 29-April 2, 1998.

• A. Carini, S.D. Pastor, D.N. Rahni, Synthesis, and Conformational Investigation of Spirocyclic Dioxagermepins and Dioxagermocins, 46th ACS Undergraduate Research Symposium, May 2, 1998, New York University.

• Immobilized Enzyme Biosensors for Food Assessment of Protein Quality, Fifth Chemical Congress of North America, Nov. 11-16, 1997, Cancun, Mexico.

• Gave the keynote speech entitled, "Scientific Scholarly Pursuits and its Relevance to Society" at the 1996 Westchester Chemical Society's Distinguished Scientist Night, January 29, 1997 Butcher Suite (over a hundred in attendance).

• G. Palleschi, F. Baladino, D. Campagone, M. Esti, E. Marconi, D. NabiRahni, Electrochemical Biosensors for Food Analysis, 31st Middle Atlantic Regional Meeting of the ACS, Pace University, May 27-30, 1997.

• V. Huang, S.D. Pastor, D.M.A. NabiRahni, Synthesis, Characterization, and Conformation of a Sterically Hindered 12H-Dibenzo[d,g][1,3,2]Dioxathiagermocin, MARM-ACS 1997.

• A. Carinci, S.D. Pastore, D.M.A. NabiRahni, Synthesis, Characterization, and Conformation of a Sterically Hindered 12H-Dibenzo[d,f][1,3,2]Dioxagermepin, MARM-ACS'97.

• A. Carinci, S.D. Pastor, D.M.A. NabiRahni, First Synthesis of a new Class of Sterically Hindered Germanium Compounds, 46th ACS Students' Research Symposium, May 1997.

• NabiRahni, D.M.A. Recent advances in electrochemical nano-technology, 3rd PacifiChem. Conference, Honolulu, HI Dec. 17-22, 1995.

• NabiRahni, D.M.A. Managing our environmental disasters, 212th National Meeting of ACS, Orlando, FL Aug. 17-22, 1996.

• NabiRahni, D.M.A., Pastor, S.D., Huang, V. Synthesis and characterization of eight-membered organo-germanium compounds, 211th Meeting of ACS, New Orleans, April 1996, and 35th ACS-NY Research Symposium, Wagner College, May 3, 1996.

• Rogers, J.S.; Pastor, S.D.; NabiRahni, D.M.A.; Synthesis, characterization and conformation of optically active 12H Dibenzo [d,g] [1,3,2] Dioxaphosphoeins, ACS National Meeting, April 2-6, Anaheim, CA.

• Richardson, C.; Pastor, S.P.; NabiRahni, D.M.A. Catalyzed synthesis and conformational analysis of seven-membered rings, 205 National Meeting of ACS, April 29-May 3, 1993, Denver, CO.

• Richardson, C.F. D.N. Rahni Recent advances in germanium hetrocyclics, ACS Research Symposium, New York Section, Lehman College, May 1994.

• Jon Rogers, D. N. Rahni, Recent advances in hetrocyclic chemistry, 43rd Symposium of ACS-NY 1992.

• A poster presentation co-authored with colleague and student Christine Richardson at the ACS National Meeting, San Diego, CA, May 1994.

• A series of talks on recent advances on Biosensors and Process manufacturing engineering at the Technical University of Denmark, Fall 1993.

• Have presented two seminars on "From nano-engineering to Enzyme Electrochemistry", at Pace University campuses, 1995.

• Enzyme Electrochemistry connected with nano-engineering. Invited speaker for the Students' Award Night of Westchester Chemical Society of ACS, April 26, 1995.

• D.N. Rahni, A talk presented at the Danish Magnetic Society semi-annual meeting on "Fabrication and Magnetic Characterization of Cobalt Multilayers in Nanometer Dimension, October 1993.

• A talk on Recent Advances on Biosensors presented at the Danish Chemical Society's quarterly meeting at the Orsted Institute, November 1993.

• A two-day workshop on Recent Advances in Surface Characterization Methodologies, Sponsored by the Royal Danish Science Academy, DTU, Copenhagen, June 9-10, 1994.

• A seminar on "Electrochemistry: A Powerful Tool from Basic Research to Manufacturing Line, presented to Bioinorganic research group at the University of Oxford, JK, February 1994.

• An invited seminar on "Compositionally Modulated Alloys: Fabrication and Characterizations, at the Department of Advanced Materials, Loughborough University, April 1994.

• A seminar and discussion on the work at the above by the Professor William's Research group, University College, May 1994.

• A seminar on the work done at Oxford presented to Professor Philip Bartlett's group, University of Southampton, May 1994.

• Electrochemistry: Rediscovered at the J. Heyrovsy's Institute, Prague, December 1993.

• Interacted with colleagues and presented the result of the work in Denmark at 2nd Univ. Rome, December 1993.

• D.N. Rahni, A computer based dual bath system for fabrication of CMA, Surface/Finishing Conference, Indianapolis, June 19-24, 1994.

• D.N. Rahni, Development and fabrication of Cobalt nano-multilayered structures, Surface/Finishing Conference 1994.

• D.N. Rahni, Biosensor Conference on Food Analysis sponsored by the Food Division of the UK Royal Chemical Society, April 1994.

• NabiRahni, M.A.; Pastor, S.D.; Malen, A.H. The reactions of 9-anthryl bromide with benzenethiolate anion in tetraglyme: Evidence against a complete electron transfer mechanism, Symposium on Chemical Education, 203 National Meeting of A.C.S., April 5-10, 1992, San Francisco.

• NabiRahni, D.M.A., Malen, A.H. A middle-Eastern self testimony: Professional development, advancement, and independence, 203rd A.C.S. meeting, April 7, 1992, San Francisco.

• University of Rome, Florence, Italy on various aspects of Biosensors with emphasis on Clinical and Environmental Applications, May 1990.

• D.N. Rahni, Development and application of enzyme electrode for the determination of sulfite in foods and feeds, ACS National meeting, Boston, MA, April 1990.

• D.N. Rahni, Recent advances in biosensors with emphasis on environmental and medicinal monitoring, St. John's University, New York, January 1990.

• D. N. Rahni, Current and future application of biosensors with emphasis on space exploration, Brookhaven National Laboratory, Upton, NY, August 4, 1989.

• D.N. Rahni, Bioelectrochemical noses: Immobilized biosensors, Department of Biological Sciences, Pace University, Spring 1989.

• D. Rahni, Glucose interference studies in blood serum using biosensors, Meeting of the Middle Atlantic Region of Chemical Society, Cherry Hill, NJ, May 24-26, 1989.

• Co-authored two papers on a sulfite electrode with Chemistry Student Roy Vaid at the Student Affiliate Symposium of the NY Section of the ACS, 1988 and 1989. Two papers were co-authored with Charles Baumgarner and Steven Pastor on the Synthesis and Mechanistic studies of 9-Thiophylanthracene, 1990, 1991 NY-ACS Students'Symposium. Three papers were co-authored with Sylvia Mazzella (1) and Alyssa Malen (2) at the 1991 and 1992 NY-ACS Symposium.

• D.N. Rahni, Immobilized enzyme electrodes for the determination of carbohydrates in food products, 22nd meeting of the Middle Atlantic Region of the American Chemical Society, Millersville University, PA., May 24-26, 1985.

• D.N. Rahni, Recent trends of biosensor technology in process analytical chemistry, University of Rome, Italy, July 1987.

• D.N. Rahni, Recent advances in biosensors, Pace University, Spring 1986.

• D.N. Rahni, Immobilized enzyme electrodes for clinical and environmental assays, University of New Orleans, 1985.

• Romankiw, L.T., NabiRahni, D.M.A. The Investigation and Control of pH and other bath Constituents during the Electroplating of Permalloys of Cobalt, Iron, and Nickel: A. Temperature Effects B. The Buffer Effects submitted at the Electrochemical Society, 1992.

• Presented a series of four lectures on above research projects and sciences as the basis for environmental legislation, litigation and compliance, at the National University of Mexico, May 1993.

Symposia chairmanship

• Chair and Organizer, a Symposium on Bioelectrochemistry, Pittsburgh Conference March 8-12, 2003 Orlando, FL.

• Chair, Nichols Medal Symposium, ACS-NYS, in honor of Professor S. Danishefsky of Columbia University and Sloan Kettering Memorial Cancer Institute, White Plains, March 15, 1999.

• General and Banquet Chair, Nichols Medal, ACS-NY, in honor of Barry Trost of Stanford University, April 7, 2000.

• General Chair and Host, the 31st Middle Atlantic Regional Meeting of the American Chemical Society, May 1997.

• Organized and chaired a one day symposium on "Recent Advances in Biosensors," 31st MARM, May 1997.

• Organized and chaired a symposium on "Sustainable Development," 31st MARM, May 1997.

• Organized and chaired a one-day symposium on Determination of Metabolites of Biological importance, Eastern Analytical Symposium, Somerset, NJ, November 1995.

• Organized and chaired a symposium on Recent Advances in immobilized bio-electrochemical sensors, 23rd MARM of the American Chemical Society, May 26, 1989.

• Co-organized and hosted the second Industrial-Academe Interfaced Symposium of ACS Pace University, Sept. 1991.

• Co-organized and hosted the 39th Undergraduate Students' Research Symposium of ACS NY Section, Pace University, April 1991.

• Co-organized the NYS Conference on Economic Development and Climate Change, April 1998 (NYC Bar Building).

• Co-organizer, the Annual Rene DuBos Forum (1999: The Automobile, Society and the Global Economy).

Note. When searching under *RAHNI* in www.google.com one could identify hundreds of additional articles, essays, op-eds on society, environment, history, government, current affairs, international affairs, and policy.
