

## Curriculum Vitae of Sason Shaik

### Selected Academic Positions:

- 1980: Lecturer, Ben-Gurion University  
1980: Senior Lecturer, Ben-Gurion University  
1984: Associate Professor, Ben-Gurion University  
1988: Professor, Ben-Gurion University  
1992–present: Professor, The Hebrew University  
1995–1996: Visiting Professor, The University of Rochester  
1996 (fall): Visiting Professor, as an Alexander von Humboldt awardee, TU Berlin  
1997 (fall): Visiting Professor, as an Alexander von Humboldt awardee, TU Berlin  
1999 (fall): Visiting Professor, as an Alexander von Humboldt awardee, TU Berlin  
2000 (fall): Visiting Professor in the State Key Laboratory, Xiamen University, Fujian, China  
2001 (spring): Visiting Professor in The Ecole Normale Supérieure in Paris

### Selected Professional Positions:

- 1989–2002: Member of the Editorial Board, the *Israel Journal of Chemistry*  
1995–present: Member of the Editorial Board, *Journal of Molecular Spectroscopy Theoretical Chemistry (THEOCHEM)*  
2001–present: Member of the Editorial Board, *Journal of Computational Chemistry*  
2002–present: Member of the Editorial Board, *Theoretical Chemistry Accounts*  
2005–present: Member of the Editorial Board, *Journal of Physical Organic Chemistry*  
2005–present: Member of the Editorial Board, *Journal of Inorganic Biochemistry*  
2008–present: Member of the International Board of Wiley Interdisciplinary Reviews: *Computational Molecular Science*  
1997–present: Director, The Lise Meitner-Minerva Center for Computational Quantum Chemistry  
2005–2008: Elected Senator; representative of the faculty of sciences in the Senate  
2007–present: Head of the Institutional Selection Committee

### Selected Professional Honors, Lectureships, etc.:

- 1974–9: Israel-United-States Educational Foundation, Fulbright Fellow  
1998: The 1988 Israel Chemical Society Medal Award for the Outstanding Young Chemist for the year 1987  
1995: Lise Meitner-Alexander von Humboldt Research Award  
1995: The A. D. Bergman Prize, Given by The Academy of Sciences and Humanities in Israel  
2001: The Israel Chemical Society Prize for the year 2000 (“for his seminal work in chemical reactivity and bonding”).  
(see citations in the ICS site and the *C&E News* site)  
2001: The Kolthoff Prize for the year 2000/2001 (“for his seminal contribution to the understanding of the chemical bond, reaction mechanisms and electron transfer processes in organic chemistry”)  
2002: Elected member of the Scientific Board of WATOC  
2003: Elected Fellow of the AAAS (American Association for the Advancement of Science) (“for distinguished contributions to the field of valence bond theory, contributing new ideas and thought-provoking models that have helped to rechart the mental map of chemistry”)  
2004: Selected, by the University of Köln, as the Kurt-Alder Lecturer (for “ground-breaking in theoretical and computational chemistry, aiming at the understanding of chemical and biochemical reactivity, in particular with respect to the revolutionary concept of multistate reactivity in organometallic chemistry and catalysis”)  
2004 (Fall): The University of Minnesota Lectureship (selected by the Graduate-Students committee)  
2005: Selected by the University of Georgia, Athens, as The Charles Coulson Lecturer  
2006: Selected as the Christmas Lecturer in the Graduate Program of the University of Heidelberg  
2007: Selected by the Institute of Organic Chemistry and Biochemistry in Prague as the IOCB Lecturer for May 2007  
2007: The 2007 Schrödinger Medal (The medal is awarded to S. Shaik for “his outstanding contributions to the understanding of the chemical bond, reaction mechanisms in organic chemistry, and enzymatic reactivity”).  
See <http://www.ch.ic.ac.uk/watoc/>.  
2007: As a recipient of the Schrödinger Medal, I became also a WATOC Fellow  
1980–92: Selected a few times by the students as one of the best University teachers (Ben-Gurion University)  
1995: Selected by the students as one of the best University teachers (Hebrew University)

1984–2008: Visiting Professorships and Lectureships (invitations for series of lectures on VB theory of Reactivity, P450, the Benzene story, etc) in: Universite de Paris-Sud, Queen's University (Canada), Technical University of Berlin, University of Lund, University of Goteborg, University of Padova, University of Rochester, University of Paul Sabatier in Toulouse, University of Alabama in Huntsville, The State Key Laboratory in Xiamen University (China), The Ecole Normale Superieure in Paris, The University of Basel (The Kahlbaum Lectures), The Univeristy of Basel (The Troisieme Cycle Lecturer), The Universities of Fribourg, Berne and Geneve (The Troisieme Cycle Lecturer of the French Speaking Swiss Universities), The Universities of Munich (Ludwig-Maximilins-Universität), Würzburg and Essen. The Universities of Vienna, Graz, and Innsbruck (The Austrian Chemical Society Lectureship), Visiting Professor in The Ecole Normal Superieur in Paris, The Kurt-Alder Lectureship at the University of Cologne. The Charles-Coulson Lectureship, at the University of Georgia, Athens. The University of Minnesota Lectureship (selected by the graduate student committee). A series of 8 lectures in India (IIT Mumbai, TIFR Mumbai, IIS Bangalore, Ranbaxy Research Laboratories Delhi [2 talks], IICT Hyderabad, CLRI Chennai, CSIR Trivandrum). The Royal Institute in Stockholm, Department of Theoretical Chemistry (12 h mini-course on VB theory and the Nature of The Chemical Bond)

**Grants:**

1980–present: Raised several million U.S. dollars in research money, including a Minerva Foundation endowment

**Other Activities Related to Science:**

Public lectures on chemistry intended to project to the public the beauty and relevance of chemistry to mankind. Recent talk entitled: "Chemistry—A Central Pillar of Human Culture".

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