

International Scientific and Technological Cooperation Award of the People's Republic of China

Awarded ...



R. N. Zare



F. Besenbacher



G. Bellussi



C. W. Jones

This award is presented to foreign scientists in recognition of their contributions to scientific and technological cooperation with China. Among the most recent winners are Richard N. Zare (Stanford University) and Flemming Besenbacher (Aarhus University).

Richard N. Zare studied at Harvard University, where he was awarded his PhD (supervised by Dudley R. Herschbach) in 1964. After postdoctoral research with Gordon H. Dunn and Edward U. Condon at the Joint Institute for Laboratory Astrophysics (JILA), University of Colorado, he started his independent career at the Massachusetts Institute of Technology in 1965. He moved to the University of Colorado in 1968, and to Columbia University in 1969, and joined Stanford University in 1977. He is currently Marguerite Blake Wilbur Professor in Natural Science. Zare's research interests are in the use of laser chemistry to understand chemical reactions at the molecular level, as well as cell imprinting and mass spectrometry. He has recently published an Essay in the 125th Jubilee Issue of *Angewandte Chemie* on the American university system,^[1a] and has reported in *Chemistry—An Asian Journal* on the detection of phenol.^[1b] Zare is on the International Advisory Board of *Angewandte Chemie* and the Editorial Advisory Board of *ChemPhysChem*. Among his other recent honors, Zare was the winner of the 2012 Torbern Bergman Medal, which is presented by the Analytical Division of the Swedish Chemical Society.

Flemming Besenbacher studied at Aarhus University. After working as a research fellow at the same institution (1978–1981), he joined the faculty there in 1982. He was also a visiting scientist at Sandia National Laboratories, Albuquerque, in 1982 and 1983. He is currently professor at the Department of Physics and Astronomy, and Director of the Interdisciplinary Nanoscience Center (iNANO) at Aarhus University. Besenbacher's research program includes the development of scanning probe microscopy techniques for investigating the properties of biomolecules and materials. He has reported in *Angewandte Chemie* on the screening of metal borohydrides,^[2a] and in *ChemPhysChem* on carbon monoxide oxidation.^[2b] Besenbacher is on the Editorial Advisory Board of *ChemPhysChem*.

Eugene J. Houdry Award for Giuseppe Bellussi

Giuseppe Bellussi (Eni Refining & Marketing) is the winner of the 2013 Eugene J. Houdry Award.

This honor, which is administered by the North American Catalysis Society and sponsored by Clariant, is presented for contributions to the field, in particular the development of new catalysts and processes, and Bellussi was recognized for his work in developing processes in petrochemistry, particularly in refining. Bellussi studied at the Università di Parma, and was a graduate student at the Research Center Karlsruhe (now part of the Karlsruhe Institute of Technology). After working at Montedison S.p.A., he joined Eni in 1981. Bellussi's research involves heterogeneous catalysis and catalytic processes, in particular zeolite science and technology, and he has reported in *ChemSusChem* on a heteropolyacid-catalyzed hydrogen sulfide removal method,^[3a] and in *Angewandte Chemie* on a crystalline hybrid organic–inorganic aluminosilicate.^[3b] Bellussi is on the Editorial Board of *ChemSusChem*.

Paul H. Emmett Award for Christopher W. Jones

The Paul H. Emmett Award, which is administered by the American Catalysis Society and sponsored by W. R. Grace, is presented for individual contributions to the field. The winner of the 2013 award is Christopher W. Jones (Georgia Institute of Technology), who was honored for his work in catalysis at the interface between heterogeneous and homogeneous catalysis. Jones studied at the University of Michigan, and worked with Mark E. Davis at the California Institute of Technology for his PhD, which was awarded in 1999. After postdoctoral work at the same institution with Mark E. Davis and John E. Bercaw, he joined the faculty at the Georgia Institute of Technology in 1999, and is currently New-Vision Professor. Jones and his research group are interested in the molecular engineering of materials for catalysis and separations. He has reported in *Angewandte Chemie* on polycrystalline membranes for gas separation,^[4a] and in *ChemCatChem* on cobalt(III) catalysts.^[4b] Jones is on the International Advisory Board of *ChemSusChem*.

Awards at the International Symposium on Macrocyclic and Supramolecular Chemistry

The Izatt–Christensen Award is presented annually for work in the area of macrocyclic chemistry. The winner of the 2013 award is **Eric V. Anslyn** (University of Texas at Austin). Anslyn studied at California State University, Northridge, and worked with Robert H. Grubbs at the California Institute of Technology for his PhD (awarded in 1987). From 1987–1989, he was a postdoctoral researcher with Ronald Breslow at Columbia

University, New York, and in 1989, he joined the faculty at the University of Texas at Austin, where he remains to this day, and is currently Norman Hackerman Professor of Chemistry. Anslyn's research program involves the use of synthetic and designed receptors for the analysis of complex analytes. He has reported in *Chemistry—A European Journal* on enantio- and chemoselective differentiation of amino acids,^[5a] and in *Angewandte Chemie* on a mechanically controlled indicator displacement assay.^[5b]

Tomoki Ogoshi (Kanazawa University) is the winner of the 2013 Cram Lehn Pedersen Prize in Supramolecular Chemistry, which is presented annually in recognition of significant independent work to a researcher who is within 10 years of receiving their PhD. Ogoshi studied at Kyoto University, where he received his PhD in 2005 for work supervised by Yoshiki Chujo. From 2005–2006, he was a Japan Society for the Promotion of Science (JSPS) Research Fellow with Akira Harada at Osaka University, and in 2006, he started his independent career at Kanazawa University. Ogoshi's research is focused on the synthesis and applications of pillar[n]arenes. He has reported in *Chemistry—A European Journal* on the synthesis of planar chiral [2]- and [3]rotaxanes,^[6a] and has published a Microreview in the *European Journal of Organic Chemistry* on the synthesis and selective functionalization of pillararenes.^[6b]

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