



VLADIMIR NIKOLAYEVICH IPATIEFF SESQUICENTENNIAL CELEBRATION

Sept. 7, 2017 | 2145 Sheridan Rd. (Room L165)

September 7:

- 8:00 – 8:30am Breakfast
- 8:30 – 8:50am Opening Remarks
- 8:30 – 9:35am **Susannah Scott**, 2017 Ipatieff Lecturer
Professor of Chemical Engineering, Professor of Chemistry and Biochemistry; Director, Partnership in International Research in Education in Electron Chemistry and Catalysis at Interfaces, University of California, Santa Barbara
- 9:35 – 10:20am **Enrique Iglesia**, 2004 Ipatieff Lecturer, 2005 Burwell Award recipient
Theodore Vermeulen Professor in Chemical Engineering, College of Chemistry; Director, Berkeley Catalysis Center, University of California at Berkeley; Faculty Senior Scientist, Chemical Sciences, E.O. Lawrence Berkeley National Laboratory
- 10:20 – 10:35am Break
- 10:35 – 11:20am **Charles Campbell**, 2010 Ipatieff Lecturer, 2013 Burwell Award recipient
Professor and B. Seymour Rabinovitch Endowed Chair in Chemistry, University of Washington
- 11:20 – 12:05pm **Tobin Marks**, Vladimir N. Ipatieff Professor of Catalytic Chemistry
Charles E. and Emma H. Morrison Professor of Chemistry, Professor of Material Science and Engineering, Northwestern University
- 12:05 – 12:50pm **Peter Stair**
ICEP Co-PI; Chair, Department of Chemistry, Northwestern University

Justin Notestein

ICEP Co-PI; Associate Professor of Chemical and Biological Engineering,
Northwestern University

- 12:50 – 1:00pm Announcements
- 1:00 – 2:15pm Lunch at Lake Fill North Point
- 2:15 – 4:45pm Afternoon Rotating Sessions:
- Poster session – Tech J Wing Atrium 2nd floor
 - CleanCat Facility – 2nd floor Catalysis Building with Neil Schweitzer, facility Director of Operations and Research Assistant Professor of Chemical and Biological Engineering
 - ISEN J Wing Tour – J Wing 3rd Floor foyer with Ryan Young, Director Laboratory Research and Research Associate Professor of Chemistry
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- 5:30 – 6:30pm Reception at the Hilton Orrington Hotel
- 6:30pm Dinner at the Hilton Orrington Hotel
- Introduction by Jeffery Bricker, Director of Research at Honeywell UOP
 - Presentation by Chris Nicholas, Senior Scientist at Honeywell UOP: "*Vladimir Nikolaevich Ipatieff: A Sesquicentennial of Contributions to the Chemistry of High Pressure Catalysis*"

Speakers

Charles Campbell



2010 Ipatieff Lecturer, 2013 Burwell Award Recipient
Professor and B. Seymour Rabinovitch Endowed Chair in Chemistry
University of Washington

Charles T. Campbell is the Rabinovitch Endowed Chair in Chemistry and an Adjunct Professor of both Chemical Engineering and Physics at the University of Washington in Seattle. He is the author of over 280 publications on surface chemistry, catalysis and biosensing. He is an elected Fellow of both the ACS and the AAAS. He received the Arthur W. Adamson Award of the ACS and the ACS Award for Colloid or Surface Chemistry, the Gerhard Ertl Lecture Award, the Ipatieff Lectureship at Northwestern University and an Alexander von Humboldt Research Award. He served as Chair, Chair-Elect, Vice-Chair and Treasurer of the Colloid and Surface Chemistry Division of the American Chemical Society. He served as founding Co-Director and Director of the University of Washington's Center for NanoTechnology, and as Editor-in-Chief of the journal *Surface Science* for over ten years. He received his BS in Chemical Engineering (1975) and his PhD in Physical Chemistry (1979, under J. M. White) from the University of Texas at Austin, and then did postdoctoral research in Germany under Gerhard Ertl (2007 Nobel Prize Winner).

Enrique Iglesia



2004 Ipatieff Lecturer, 2005 Burwell Award recipient
Theodore Vermeulen Professor in Chemical Engineering
Director, Berkeley Catalysis Center
University of California at Berkeley
Faculty Senior Scientist, Chemical Sciences, E.O. Lawrence Berkeley
National Laboratory

Enrique Iglesia joined the faculty at Berkeley in 1993 after twelve years in research and management at Exxon. He received a BS from Princeton University and a PhD with Professor Michel Bourdart at Stanford University. He has served as Editor-in-Chief of *Journal of Catalysis*, as President of the North American Catalysis Society, and is currently Vice President and President-Elect of the International Association of Catalysis Society. His group addresses the synthesis and the structural and functional characterization of solids used as catalysts for production of fuels and petrochemicals, for conversion of energy carriers, and for improving the energy and atom efficiency and the sustainability of chemical processes. He has coauthored more than 340 publications and 40 US patents. His research group's work has been recognized with the ENI Research Prize, the ACS Somorjai and Olah Awards, the AIChE Wilhelm and Alpha Chi Sigma Awards, the Emmett and Burwell Awards of the North American Catalysis Society, among others. He is a member of the National Academy of Engineering, the American Academy of Arts and Sciences, and the National Academy of Inventors, and is a Fellow of the American Chemical Society and the American Institute of Chemical Engineers.

Chris Nicholas

Senior Scientist, Honeywell UOP



Chris Nicholas joined Honeywell UOP in 2006 and has worked throughout the Research departments, primarily focused on inventing and catalytically testing new materials and processes. He is an inventor or co-inventor on more than 75 US and foreign patents and co-author of more than 20 peer reviewed journal articles and a book chapter in areas including organometallic chemistry, olefin metathesis and acid catalyzed reactions using zeolites. His research interests encompass the gamut of inorganic and catalytic technologies ranging from materials synthesis to characterization to catalyst and process development. Prior to joining Honeywell UOP, he earned a BA from Kalamazoo College, a PhD from Northwestern University and worked in the Hard Materials Center of Excellence at Sigma-Aldrich. He has also been actively involved in and helps direct activities of the Chicago section of the North American Catalysis Society.

Tobin Marks

Vladimir N. Ipatieff Professor of Catalytic Chemistry
Professor of Material Science and Engineering, Department of
Chemistry
Northwestern University

Tobin Marks is Ipatieff Professor of Catalytic Chemistry, Professor of Materials Science, and Professor of Applied Physics at Northwestern University. His recognitions include the US National Medal of Science, the Principe de Asturias Prize, the MRS Von Hippel Award, the Dreyfus Prize in the Chemical Sciences, the National Academy of Sciences Award in Chemical Sciences, and the American Chemical Society Priestley Medal. He is a member of the US, German, and Indian Academies of Sciences, the US National Academy of Engineering, the American Academy of Arts and Sciences, and the US National Academy of Inventors. He is a Fellow of the Royal Society of Chemistry. Marks has published 1,250 peer-reviewed articles and holds 253 issued US patents. Degrees: BS from the University of Maryland and PhD from MIT.

Susannah Scott



2017 Ipatieff Lecturer
Professor of Chemical Engineering
Professor of Chemistry and Biochemistry
Director, Partnership in International Research in Education in
Electron Chemistry and Catalysis at Interfaces
University of California, Santa Barbara

Susannah Scott received her PhD in Inorganic Chemistry from Iowa State University in 1991. She pursued her postdoctoral studies at the Institut de recherches sur la catalyse in Lyon, France with a NATO Postdoctoral Fellowship, and joined the faculty of the University of Ottawa (Canada) in 1994, where she was named to a Canada Research Chair in Catalyst Design. She moved to UCSB in 2002. She is the recipient of an NSERC Women's Faculty Award (1994-1999), the Polanyi Prize in Chemistry (1994), a Cottrell Scholars Award (1997), and a Union Carbide Innovation Award (1998). Professor Scott's research interests include applications of surface organometallic chemistry to active site characterization and the design of new heterogeneous catalysts for olefin polymerization, metathesis and oxidation, inorganic reaction mechanisms especially related to the activation of small molecules and transformations and transport of metals, particularly mercury, in the environment.