

Northwestern | McCORMICK SCHOOL OF ENGINEERING

Chemical and Biological Engineering



<p>Luis A. N. Amaral, Ph.D., Boston University, 1996 <i>Complex systems, computational physics, biological networks</i></p>	<p>Chad Mirkin, Ph.D., Penn State, 1986 <i>Inorganic, materials, physical/analytical chemistry</i></p>
<p>Neda Bagheri, Ph.D., UC Santa Barbara, 2007 <i>Computational systems biology; dynamical systems and control theory; applications to immunology, cancer, and circadian rhythms</i></p>	<p>Milan Mrksich, Ph.D., Caltech, 1994 <i>Cell adhesion and migration, Electroactive interfaces, and bio-inspired nanostructured materials and biochips</i></p>
<p>Linda J. Broadbelt, Ph.D., Delaware, 1994 <i>Reaction engineering, kinetics modeling, polymer resource recovery</i></p>	<p>Justin M. Notestein, Ph.D., Berkeley, 2006 <i>Materials design for adsorption and catalysis</i></p>
<p>Wesley R. Burghardt, Ph.D., Stanford, 1990 <i>Polymer science, rheology</i></p>	<p>Monica Olvera de la Cruz, Ph.D., Cambridge, 1984 <i>Statistical mechanics in polymer systems</i></p>
<p>Stephen Carr, Ph.D., Case Western Reserve, 1969 <i>Polymer science, Product Design Program</i></p>	<p>Julio M. Ottino, Ph.D., Minnesota, 1979 <i>Fluid mechanics, granular materials, chaos, mixing in materials processing</i></p>
<p>Kimberly A. Gray, Johns Hopkins, 1988 <i>Catalysis, treatment technologies, environmental chemistry</i></p>	<p>Gregory Ryskin, Ph.D., Caltech, 1983 <i>Fluid mechanics, computational methods, polymeric liquids</i></p>
<p>Michael C. Jewett, Ph.D., Stanford, 2005 <i>Synthetic biology, systems biology, metabolic engineering</i></p>	<p>George Schatz, Ph.D., Caltech, 1976 <i>Theory, nanoscience, plasmonics and excitonics, self-assembly, catalysis</i></p>
<p>Harold H. Kung, Ph.D., Northwestern, 1974 <i>Kinetics, heterogeneous catalysis</i></p>	<p>Linsey Seitz, Ph.D., Stanford, 2015 <i>Electrochemistry and catalysis, renewable energy, spectroscopy</i></p>
<p>Joshua N. Leonard, Ph.D., Berkeley, 2006 <i>Cellular & biomolecular engineering for medicine, systems biology</i></p>	<p>Randall Q. Snurr, Ph.D., Berkeley 1994 <i>Adsorption and diffusion in porous media, molecular modeling</i></p>
<p>Julius B. Lucks, Ph.D., Harvard University, 2007 <i>Biomolecular Engineering, RNA Engineering, Synthetic Bio</i></p>	<p>Igal Szleifer, Ph.D., Hebrew University, 1989 <i>Molecular modeling of biointerphases</i></p>
<p>Richard Lueptow, Sc.D., MIT, 1986 <i>Fundamental flow physics, water purification on manned spacecrafts, nonlinear systems and granular flow dynamics.</i></p>	<p>John M. Torkelson, Ph.D., Minnesota, 1983 <i>Polymer science, polymer physics</i></p>
<p>Tobin Marks, Ph.D., MIT, 1970 <i>Catalytic Chemistry</i></p>	<p>Danielle Tullman-Ercek Ph.D., University of Texas, 2006 <i>Biochemical Engineering, Bioenergy, Synthetic Biology</i></p>
<p>Eric Masanet, Ph.D., Berkeley, 2004 <i>Multi-scale and techno-economic modeling of energy, resource, and product life-cycle systems</i></p>	<p>Keith Tyo, Ph.D., MIT, 2008 <i>Synthetic biology, metabolic engineering, global health delivery</i></p>
<p>William M. Miller, Ph.D., Berkeley, 1987 <i>Cell culture for biotechnology and medicine</i></p>	<p>Muzhou (Mitchell) Wang, Ph.D., MIT, 2014 <i>Polymer physics, functional materials, super-resolution microscopy</i></p>
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