

# MATHEMATICAL AND PHYSICAL SCIENCES

## ADVISORY COMMITTEE MEMBERSHIP LIST

Effective Date: October 1, 2016

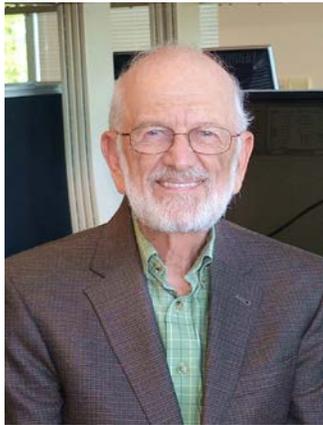
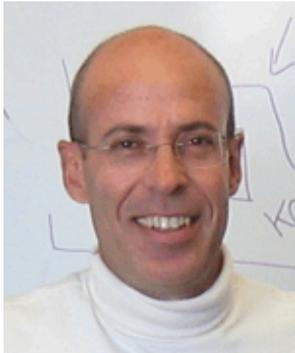
Term Expires: 09/30/2017

<p>Dr. Phil Bucksbaum Stanford University <a href="mailto:phbuck@stanford.edu">phbuck@stanford.edu</a></p> <p>Selected Honors: American Academy of Arts and Sciences Member, National Academy of Sciences</p> <p>Biographical Information: <a href="https://physics.stanford.edu/people/faculty/phil-bucksbaum">https://physics.stanford.edu/people/faculty/phil-bucksbaum</a></p>	
<p>Dr. Mark Cardillo The Camille &amp; Henry Dreyfus Foundation <a href="mailto:mcardillo@dreyfus.org">mcardillo@dreyfus.org</a></p> <p>Selected Honors Fellow, American Physical Society Fellow, American Association for the Advancement of Science PEL Associates Award in Applied Polymer Chemistry, 2000 Innovations in Real Materials Award, 1998 Medard Welch Award of the American Vacuum Society, 1987</p> <p>Biographical Information: <a href="http://www.dreyfus.org/about/staff-bio.shtml">http://www.dreyfus.org/about/staff-bio.shtml</a></p>	
<p>Dr. Jennifer Chayes Microsoft Research New England <a href="mailto:jchayes@microsoft.com">jchayes@microsoft.com</a></p> <p>Selected Honors Leadership Award of Women Entrepreneurs in Science and Technology Women Leadership Vision Award of the Anita Borg Institute Fellow, American Mathematical Society Fellow, Association of Computing Machinery Fellow, American Association for the Advancement of Science Fellow, Fields Institute Elected Member, American Academy of Arts and Sciences John von Neumann Lecture Award, Society for Industrial &amp; Applied Mathematics</p> <p>Biographical Information: <a href="http://research.microsoft.com/en-us/um/people/jchayes/">http://research.microsoft.com/en-us/um/people/jchayes/</a></p>	

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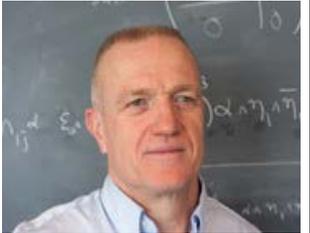
**Term Expires: 09/30/2017**

<p>Dr. Graham Cooks Purdue University <a href="mailto:cooks@purdue.edu">cooks@purdue.edu</a></p> <p>Selected Honors Fellow, National Academy of Science, 2015 Dreyfus Prize in the Chemical Sciences, 2013 Purdue University Morrill Award, 2012 Fellow of the American Academy of Arts and Sciences, 2010</p> <p>Biographical Information: <a href="https://www.chem.purdue.edu/people/directory/faculty/details/1">https://www.chem.purdue.edu/people/directory/faculty/details/1</a></p>	 A portrait of Dr. Graham Cooks, an older man with a white beard and glasses, wearing a brown blazer over a green shirt.
<p>Dr. George W. Crabtree Argonne National Laboratory, Materials Science Division <a href="mailto:crabtree@anl.gov">crabtree@anl.gov</a></p> <p>Selected Honors: Recipient Kamerlingh Onnes Prize (2003) U.S. Department of Energy's Award for Outstanding Scientific Accomplishment in Solid State Physics (Four-time recipient)</p> <p>Biographical Information: <a href="http://www.msd.anl.gov/crabtree">http://www.msd.anl.gov/crabtree</a></p>	 A portrait of Dr. George W. Crabtree, a man with short grey hair, wearing a dark suit jacket, a purple shirt, and a blue tie.
<p><i>(Chair)</i> Dr. Juan J. de Pablo University of Chicago <a href="mailto:depablo@uchicago.edu">depablo@uchicago.edu</a></p> <p>Selected Honors: Fellow, American Academy of Arts and Sciences Fellow, American Physical Society</p> <p>Biographical Information: <a href="http://ime.uchicago.edu/de_pablo_lab/people/juan_de_pablo/">http://ime.uchicago.edu/de_pablo_lab/people/juan_de_pablo/</a></p>	 A portrait of Dr. Juan J. de Pablo, a man with glasses and a white turtleneck, smiling in front of a whiteboard with some diagrams.
<p>Dr. Catherine Pilachowski Indiana University, Astronomy Department <a href="mailto:catyp@astro.indiana.edu">catyp@astro.indiana.edu</a></p> <p>Selected Honors: Fellow, American Association for the Advancement of Science</p> <p>Biographical Information: <a href="http://www.astro.indiana.edu/faculty/pilachowski.shtml">http://www.astro.indiana.edu/faculty/pilachowski.shtml</a></p>	 A portrait of Dr. Catherine Pilachowski, a woman with dark curly hair, wearing a red vest over a white shirt, smiling outdoors.

Biographical Information on MPSAC members can be found at the publically available web sites indicated with each name. NSF is not responsible for the content of those web sites.

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<p>Dr. Melanie Sanford University of Michigan <a href="mailto:mssanford@umich.edu">mssanford@umich.edu</a></p> <p>Selected Honors ACS Sierra Nevada Section: Distinguished Chemist Award, 2013 Raymond and Beverly Sackler Prize in Chemistry, 2013 Fellow, American Association for the Advancement of Science, 2011</p> <p>Biographical Information: <a href="http://www.umich.edu/~mssgroup/docs/Sanford_CV_F_2014.pdf">http://www.umich.edu/~mssgroup/docs/Sanford_CV_F_2014.pdf</a></p>	 A portrait of Dr. Melanie Sanford, a woman with brown hair tied back, wearing a white lab coat over a light blue shirt. She is standing in a laboratory setting with various pieces of equipment visible in the background.
<p>Dr. Robert Bryant Duke University <a href="mailto:bryant@math.duke.edu">bryant@math.duke.edu</a></p> <p>Selected Honors: Fellow, American Mathematical Society, 2013 Distinguished Alumni Award from the College of Physical and Mathematical Sciences, NCSU Alumni Association, 2005</p> <p>Biographical Information: <a href="http://fds.duke.edu/db/aas/math/faculty/bryant/">http://fds.duke.edu/db/aas/math/faculty/bryant/</a></p>	 A portrait of Dr. Robert Bryant, a man with short grey hair, wearing a light blue shirt. He is standing in front of a chalkboard with mathematical equations written on it.
<p>Dr. William Zajc Columbia University <a href="mailto:waz1@columbia.edu">waz1@columbia.edu</a></p> <p>Selected Honors Fellow, American Physical Society</p> <p>Additional Information: <a href="http://www.nevis.columbia.edu/~zajc/MakeZajcCV.pdf">http://www.nevis.columbia.edu/~zajc/MakeZajcCV.pdf</a></p>	 A portrait of Dr. William Zajc, a man with grey hair, wearing a dark brown suit jacket over a white shirt. He is standing in front of a bookshelf filled with books.

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<p>Dr. Lynne Hillenbrand California Institute of Technology <a href="mailto:lah@astro.caltech.edu">lah@astro.caltech.edu</a></p> <p>Selected Honors National Advisory Committee for the AAC, NASA, NRC CIT Institute Committee</p> <p>Biographical Information: <a href="http://www.astro.caltech.edu/~lah/Site/%40Caltech.html">http://www.astro.caltech.edu/~lah/Site/%40Caltech.html</a></p>	 A color portrait of Dr. Lynne Hillenbrand, a woman with short brown hair and glasses, smiling. She is wearing a dark top. The background is green foliage.
<p>Dr. Susanne Brenner Louisiana State University <a href="mailto:brenner@math.lsu.edu">brenner@math.lsu.edu</a></p> <p>Selected Honors Fellow, Society for Industrial and Applied Mathematics 2010 Fellow, American Mathematical Society 2013 Fellow, American Association for the Advancement of Science 2012 Humboldt Research Award</p> <p>Additional Information: <a href="https://www.math.lsu.edu/~brenner/">https://www.math.lsu.edu/~brenner/</a></p>	 A black and white portrait of Dr. Susanne Brenner, a woman with long grey hair and glasses. She is wearing a dark top and a pearl necklace. The background is dark.