




# MATHEMATICAL AND PHYSICAL SCIENCES

## ADVISORY COMMITTEE MEMBERSHIP LIST

Effective Date: October 1, 2016

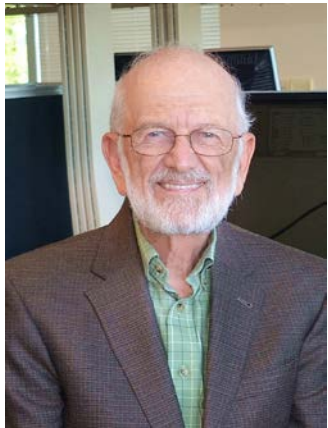

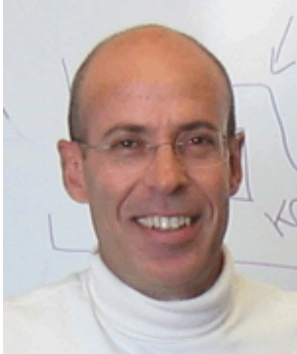

Term Expires: 09/30/2017

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| <p>Dr. Phil Bucksbaum<br/>Stanford University<br/><a href="mailto:phbuck@stanford.edu">phbuck@stanford.edu</a></p> <p>Selected Honors:<br/>American Academy of Arts and Sciences<br/>Member, National Academy of Sciences</p> <p>Biographical Information:<br/><a href="https://physics.stanford.edu/people/faculty/phil-bucksbaum">https://physics.stanford.edu/people/faculty/phil-bucksbaum</a></p>  |    |
| <p>Dr. Mark Cardillo<br/>The Camille &amp; Henry Dreyfus Foundation<br/><a href="mailto:mcardillo@dreyfus.org">mcardillo@dreyfus.org</a></p> <p>Selected Honors<br/>Fellow, American Physical Society<br/>Fellow, American Association for the Advancement of Science<br/>PEL Associates Award in Applied Polymer Chemistry, 2000<br/>Innovations in Real Materials Award, 1998<br/>Medard Welch Award of the American Vacuum Society, 1987</p> <p>Biographical Information:<br/><a href="http://www.dreyfus.org/about/staff-bio.shtml">http://www.dreyfus.org/about/staff-bio.shtml</a></p>  |   |
| <p>Dr. Jennifer Chayes<br/>Microsoft Research New England<br/><a href="mailto:jchayes@microsoft.com">jchayes@microsoft.com</a></p> <p>Selected Honors<br/>Leadership Award of Women Entrepreneurs in Science and Technology<br/>Women Leadership Vision Award of the Anita Borg Institute<br/>Fellow, American Mathematical Society<br/>Fellow, Association of Computing Machinery<br/>Fellow, American Association for the Advancement of Science<br/>Fellow, Fields Institute<br/>Elected Member, American Academy of Arts and Sciences<br/>John von Neumann Lecture Award, Society for Industrial &amp; Applied Mathematics</p> <p>Biographical Information:<br/><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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| <p>Dr. Graham Cooks<br/>Purdue University<br/><a href="mailto:cooks@purdue.edu">cooks@purdue.edu</a></p> <p>Selected Honors<br/>Fellow, National Academy of Science, 2015<br/>Dreyfus Prize in the Chemical Sciences, 2013<br/>Purdue University Morrill Award, 2012<br/>Fellow of the American Academy of Arts and Sciences, 2010</p> <p>Biographical Information:<br/><a href="https://www.chem.purdue.edu/people/directory/faculty/details/1">https://www.chem.purdue.edu/people/directory/faculty/details/1</a></p> |    |
| <p>Dr. George W. Crabtree<br/>Argonne National Laboratory, Materials Science Division<br/><a href="mailto:crabtree@anl.gov">crabtree@anl.gov</a></p> <p>Selected Honors:<br/>Recipient Kamerlingh Onnes Prize (2003)<br/>U.S. Department of Energy's Award for Outstanding Scientific Accomplishment in Solid State Physics (Four-time recipient)</p> <p>Biographical Information:<br/><a href="http://www.msd.anl.gov/crabtree">http://www.msd.anl.gov/crabtree</a></p>  |   |
| <p><i>(Chair)</i> Dr. Juan J. de Pablo<br/>University of Chicago<br/><a href="mailto:depablo@uchicago.edu">depablo@uchicago.edu</a></p> <p>Selected Honors:<br/>Fellow, American Academy of Arts and Sciences<br/>Fellow, American Physical Society</p> <p>Biographical Information:<br/><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>  |  |
| <p>Dr. Catherine Pilachowski<br/>Indiana University, Astronomy Department<br/><a href="mailto:catyp@astro.indiana.edu">catyp@astro.indiana.edu</a></p> <p>Selected Honors:<br/>Fellow, American Association for the Advancement of Science</p> <p>Biographical Information:<br/><a href="http://www.astro.indiana.edu/faculty/pilachowski.shtml">http://www.astro.indiana.edu/faculty/pilachowski.shtml</a></p>   |  |

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<br/>University of Michigan<br/><a href="mailto:mssanford@umich.edu">mssanford@umich.edu</a></p> <p>Selected Honors<br/>ACS Sierra Nevada Section: Distinguished Chemist Award, 2013<br/>Raymond and Beverly Sackler Prize in Chemistry, 2013<br/>Fellow, American Association for the Advancement of Science, 2011</p> <p>Biographical Information:<br/><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, wearing a white lab coat over a light blue shirt, standing in a laboratory setting.         |
| <p>Dr. Robert Bryant<br/>Duke University<br/><a href="mailto:bryant@math.duke.edu">bryant@math.duke.edu</a></p> <p>Selected Honors:<br/>Fellow, American Mathematical Society, 2013<br/>Distinguished Alumni Award from the College of Physical and Mathematical Sciences, NCSU Alumni Association, 2005</p> <p>Biographical Information:<br/><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, standing in front of a chalkboard with mathematical equations. |
| <p>Dr. William Zajc<br/>Columbia University<br/><a href="mailto:waz1@columbia.edu">waz1@columbia.edu</a></p> <p>Selected Honors<br/>Fellow, American Physical Society</p> <p>Additional Information:<br/><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, standing in front of a bookshelf.          |

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| <p>Dr. Lynne Hillenbrand<br/>California Institute of Technology<br/><a href="mailto:lah@astro.caltech.edu">lah@astro.caltech.edu</a></p> <p>Biographical Information:<br/><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.                    |
| <p>Dr. Susanne Brenner<br/>Louisiana State University<br/><a href="mailto:brenner@math.lsu.edu">brenner@math.lsu.edu</a></p> <p>Selected Honors<br/>2010 Fellow, Society for Industrial and Applied Mathematics<br/>2013 Fellow, American Mathematical Society<br/>2012 Fellow, American Association for the Advancement of Science<br/>Humboldt Research Award</p> <p>Additional Information:<br/><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. |