APPLIED MATHEMATICS & STATISTICS, AND SCIENTIFIC COMPUTATION (AMSC)

Graduate Degree Program
College: Computer, Mathematical, and Natural Sciences

Abstract

The interdisciplinary program in Applied Mathematics & Statistics, and Scientific Computation (AMSC) offers graduate study leading to Master of Science and Doctor of Philosophy degrees with concentrations in applied mathematics, applied statistics, and scientific computation. It also offers a Certificate in Scientific Computation to graduate students enrolled in other university Ph.D. programs. The faculty is drawn from departments throughout the university. Possible areas of application include the physical, chemical, biological, and social sciences, and engineering. The program receives substantial support from the Department of Mathematics (MATH), the Center for Scientific Computation and Mathematical Modeling (CSCAMM), and the Institute for Physical Science and Technology (IPST). AMSC offers a spectrum of courses at the forefront of computation and applications, as well as state-of-the-art computational, visualization and networking facilities.

The Concentration in Applied Mathematics trains individuals who are able to enhance their understanding of a wide spectrum of scientific phenomena through the application of rigorous mathematical analysis. At least half of the required work is expected to be in courses with primarily mathematical content; the remaining courses must apply to a field outside of the usual mathematics curriculum in the student’s chosen area of application. Graduate students currently pursue studies in the applications areas such as meteorology, fluid dynamics, algorithm development, pattern recognition, operations research, mathematical finance, computational dynamics, structural mechanics, mathematical biology, and systems and control theory. Other areas of study are available through participating departments. All students must include numerical analysis or scientific computing courses in their program of study.

The Concentration in Applied Statistics emphasizes acquisition of advanced training in the area of statistical application along with statistical topics and development of mathematical and computing skills necessary for the modern applied statistician. Students are required to take a series of core statistical and computational courses with more emphasis on data analytics and presentation skills. In addition, students will take a minimum of six credits in an outside application area.

The Concentration in Scientific Computation emphasizes the application of computation to the physical sciences, life sciences, engineering, business, and social sciences. Students will receive training in the use of computational techniques and technology with correspondingly less emphasis on formal mathematical methods in comparison to the Concentration in Applied Mathematics. Every Scientific Computation student is required to apply the training in computation to a problem in a specific scientific discipline.

A master’s degree program in all concentrations with an emphasis on numerical analysis, computational methods, probability and statistics is excellent preparation for industrial or government employment.

Financial Assistance

The program offers teaching assistantships in the Department of Mathematics as a source of support for graduate students. These assistantships carry a stipend with remission of tuition of up to 10 credit hours each semester. Research assistantships are also available through participating departments and other sources, especially for students that have acquired advanced training. Assistantships are usually available only to incoming Ph.D. students; applications including letters of recommendation should be completed by January 10 for full consideration.

Contact

For more specific information, visit the program FAQ or email amsc@amsc.umd.edu.

Jessica Sadler
Program Coordinator
Department of Mathematics
Applied Mathematics & Statistics, and Scientific Computation Program
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College Park, MD 20742
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Email: amsc@amsc.umd.edu

Website: http://www.amsc.umd.edu

Courses: AMSC

Keywords: Interdisciplinary program in applied mathematics, statistics and scientific computation that includes over 25 departments, including: Math, Engineering, Physics, Meteorology, Computer Science, Operations Research, Economics, and Biology.

Admissions

General Requirements

• Statement of Purpose
• Transcript(s)
• TOEFL/IELTS/PTE (international graduate students)

Program-Specific Requirements

• Letters of Recommendation (3)
• Graduate Record Examination (GRE)
• CV/Resume
• Publications/Presentations
• GRE Subject (strongly recommended/not required)
• Advanced Textbooks: Textbooks of Advanced Technical Courses taken are to be submitted in the Advanced Textbooks section of online application. Please see the AMSC website for further details.

In addition to the Graduate School requirements, applicants are required to take the GRE general examination. The applicants are encouraged to take the GRE subject examination in either mathematics or another scientific topic. Applicants should have at least a "B" average (3.0 on a 4.0 scale) and should have completed an undergraduate program of study that includes a strong emphasis on rigorous mathematics, preferably through the level of advanced calculus and linear algebra.

Admission will be based on the applicant's ability to do graduate work in either applied mathematics, applied statistics, or scientific computation as demonstrated by the letters of recommendation, grades in coursework, and program of study. In some circumstances, a provisional admission may be given to applicants whose mathematical training is not sufficiently advanced. Previous education in an application area such as physics, biology, economics or one of the engineering disciplines, and a basic competence in computational techniques will be favorably considered in a student's application, although this is not a prerequisite.

When a student has decided upon an area of specialization, an advisory committee is formed and approved by the AMSC Graduate Committee. The advisory committee is responsible for formulating with the student a course of study that leads toward the degree sought. This course of study must constitute a unified, coherent program in an acceptable field of specialization of applied mathematics, applied statistics, or scientific computation.

For more admissions information, please visit http://www.amsc.umd.edu/join_us/index.html

To apply to the program, please visit our Graduate School website:
https://gradschool.umd.edu/admissions

Application Deadlines

<table>
<thead>
<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
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<tr>
<td>Domestic Applicants</td>
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<tr>
<td>US Citizens and Permanent</td>
<td>10 Jan</td>
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<tr>
<td>Residents</td>
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<tr>
<td>International Applicants</td>
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<tr>
<td>F (student) or J (exchange visitor) visas; A,E,G,H,I, and L visas and immigrants</td>
<td>10 Jan</td>
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</table>

Other Deadlines: Please visit the program website at http://www.amsc.umd.edu

Requirements

• Applied Mathematics & Statistics, and Scientific Computation, Doctor of Philosophy (Ph.D.)
• Applied Mathematics & Statistics, and Scientific Computation, Master of Science (M.S.)

Facilities and Special Resources

There are over 25 participating departments and institutes on the College Park campus, including units in the College of Computer, Mathematical, and Natural Sciences and the School of Engineering. The university has an engineering technical library as well as a network of high performance workstations for faculty and graduate students. In addition, there are collaborations with various area research institutes such as NASA Goddard Space Flight Center, National Institutes of Health, National Institute of Standards and Technology, Naval Research Laboratory, and National Oceanic and Atmospheric Administration.

Faculty

<table>
<thead>
<tr>
<th>Last Name</th>
<th>First/Middle Name</th>
<th>Graduate Faculty Status</th>
<th>Academic Credentials</th>
<th>Positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agrawala</td>
<td>Ashok K.</td>
<td>Full Member</td>
<td>B.S., Agra University, 1960; B.E., Indian Institute of Science-Bangalore, 1963; M.Eng., 1965; Ph.D., Harvard University, 1970.</td>
<td>Professor, Applied Mathematics &amp; Statistics, and Scientific Computation Professor, Computer Science Affiliate Professor, Electrical and Computer Engineering</td>
</tr>
<tr>
<td>Name</td>
<td>Degree Details</td>
<td>Full Member of</td>
<td>University/Institution Details</td>
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<td></td>
</tr>
<tr>
<td>Alt Francis B.</td>
<td>B.S.E., Johns Hopkins University, 1967; M.S., Georgia Institute of Technology, 1973; Ph.D., 1977.</td>
<td>Full Member</td>
<td>Associate Professor, Applied Mathematics &amp; Statistics, and Scientific Computation</td>
<td></td>
</tr>
<tr>
<td>Austin Mark A.</td>
<td></td>
<td>Full Member</td>
<td>B.E., University of Canterbury, 1980; M.S., University of California-Berkeley, 1982; Ph.D., 1985.</td>
<td></td>
</tr>
<tr>
<td>Ayyub Bilal M.</td>
<td>B.S., Kuwait University, 1980; M.S., Georgia Institute of Technology, 1981; Ph.D., 1983.</td>
<td>Full Member</td>
<td>Distinguished University Professor, Applied Mathematics &amp; Statistics, and Scientific Computation</td>
<td></td>
</tr>
<tr>
<td>Azarm Shapour</td>
<td>B.S., University of Tehran, 1977; M.S., George Washington University, 1979; Ph.D., University of Michigan-Ann Arbor, 1984.</td>
<td>Full Member</td>
<td>Professor, Applied Mathematics &amp; Statistics, and Scientific Computation</td>
<td></td>
</tr>
<tr>
<td>Baeder James D.</td>
<td>B.S., Rice University, 1983; M.S., Stanford University, 1984; Ph.D., 1989.</td>
<td>Full Member</td>
<td>Professor, Aerospace Engineering Associate Professor, Applied Mathematics &amp; Statistics, and Scientific Computation</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Title</td>
<td>Affiliation</td>
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<tr>
<td>Balachandran Balakumar</td>
<td>Full Member</td>
<td>B.Tech., Indian Institute of Technology-Madras, 1985; M.S., Virginia Polytechnic Institute &amp; State University, 1986; Ph.D., 1990.</td>
<td></td>
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</tr>
<tr>
<td>Balan Radu</td>
<td>Full Member</td>
<td>B.S., Polytechnic Institute of Bucharest, Romania 1992; B.S., University of Bucharest, Romania 1994; Ph.D., Princeton University, 1998</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ball Michael O.</td>
<td>Full Member</td>
<td>B.E.S., Johns Hopkins University, 1972; M.S.E., 1972; Ph.D., 1977.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barg Alexander</td>
<td>Full Member</td>
<td>Ph.D., Moscow Professor, Russia, 1983-1987; B.M., Moscow, Computer Engineering, Russia, 1976-1981; B.S. Engineering, Professor, Applied Mathematics &amp; Statistics, and Scientific Computation, Professor, Systems Engineering Affiliate Professor, Computer Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barnes Sean</td>
<td>Full Member</td>
<td>Ph.D., Scientific Computation, University of Maryland, College Park 2012; M.S., Aerospace Engineering, 2007; B.S. Aerospace Engineering, Georgia Institute of Technology 2006</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bedrossian Jacob</td>
<td>Full Member</td>
<td>B.S., Case Western Reserve University, 2007; M.S., Case Western Reserve University, 2007; Ph.D., University of California, Los Angeles, 2011.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Affiliation</td>
<td>Full Member</td>
<td>Degree Details</td>
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<tr>
<td>Bernard</td>
<td>Peter S.</td>
<td>Full Member</td>
<td>B.E., City University of New York-City College, 1972; M.S., University of California Berkeley, 1973; Ph.D., 1977.</td>
<td></td>
</tr>
<tr>
<td>Blankenship</td>
<td>Gilmer L.</td>
<td>Full Member</td>
<td>B.S., Massachusetts Institute of Technology, 1967; M.S., 1969; Ph.D., 1971.</td>
<td></td>
</tr>
<tr>
<td>Bruck</td>
<td>Hugh Alan</td>
<td>Full Member</td>
<td>B.S., University of South Carolina-Columbia, 1988; M.S., 1989; Ph.D., California &amp; Statistics, Institute of Technology, 1995.</td>
<td></td>
</tr>
<tr>
<td>Calabrese</td>
<td>Richard V.</td>
<td>Full Member</td>
<td>B.S., University of Rochester, 1969; M.S., University of California Amherst, 1971; Ph.D., 1976.</td>
<td></td>
</tr>
<tr>
<td>Cameron</td>
<td>Maria</td>
<td>Full Member</td>
<td>Ph.D., University of California, Berkeley, 2007.</td>
<td></td>
</tr>
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</table>

- **Distinguished Scholar-Teacher**
- **Professor, Mathematics**
- **Director of NWC, Mathematics**
- **Affiliate Professor, Biological Sciences**
- **Affiliate Professor, Chemical Engineering**
- **Professor, Applied Mathematics & Statistics, and Scientific Computation**
- **Professor, Biophysics & Statistics**
- **Associate Professor, Biological Sciences**
- **Associate Professor, Biophysics & Statistics**
- **Professor, Applied Mathematics & Statistics, and Scientific Computation**
- **Associate Professor, Applied Mathematics & Statistics, and Scientific Computation**
- **Associate Professor, Applied Mathematics & Statistics, and Scientific Computation**
<table>
<thead>
<tr>
<th>Name</th>
<th>Full Member</th>
<th>B.S./M.S./Ph.D.</th>
<th>Chair, Professor</th>
<th>Since</th>
<th>Professor, Institute, Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carton James A.</td>
<td>Full Member</td>
<td>B.S.E., Princeton University, 1976; M.S., University of Washington, 1979; M.A., Princeton University, 1980; Ph.D., 1983.</td>
<td>Chair, Atmospheric and Oceanic Science Professor, Applied Mathematics &amp; Statistics, and Scientific Computation Professor, Chemical Physics Professor</td>
<td>Full Member</td>
<td>B.S., University of Michigan-Ann Arbor, 1964; Ph.D., Cornell University, 1977.</td>
</tr>
<tr>
<td>Chellappa Ramalingam</td>
<td>Full Member</td>
<td>B.E., University of Madras, 1975; M.S., Indian Institute of Science, Bangalore, 1977; M.S.E.E., Purdue University, 1978; Ph.D., 1981.</td>
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<td>Full Member</td>
<td>B.A., State University of New York-Albany, 1973; M.A., 1974; Ph.D., 1976.</td>
</tr>
<tr>
<td>Childs Andrew</td>
<td>Full Member</td>
<td>B.S., California Institute of Technology, 2000; Ph.D., Massachusetts Institute of Technology, 2004.</td>
<td>Professor, Applied Mathematics &amp; Statistics, and Scientific Computation Professor, Computer Science Associate Professor, Computer Science Affiliate Professor, Computer Science Affiliate Professor, Computer Science Affiliate Professor</td>
<td>Full Member</td>
<td>B.S., Cornell University, 1980; Ph.D., Stanford University, 1984</td>
</tr>
</tbody>
</table>
Cummings  Michael P.  Full Member  Ph.D., Harvard, 1992.  Professor, Applied Mathematics & Statistics, and Scientific Computation  Professor, Biological Sciences  Professor, Computer Science


Davis  Larry S.  Full Member  B.A., Colgate University, 1970; M.S., University of Maryland-College Park, 1972; Ph.D., 1976.  Professor, Applied Mathematics & Statistics, and Scientific Computation  Professor, Computer Science  Affiliate Professor, Electrical and Computer Engineering


Dorr  Bonnie J.  Full Member  B.A., Boston University, 1984; M.S.,Massachusetts Institute of Technology, 1987; Ph.D., 1990.  Professor, Applied Mathematics & Statistics, and Scientific Computation  Professor Emerita, Computer Science

Dubayah  Ralph O.  Full Member  A.B., University of California-Berkeley, 1982; M.A., University of California-Santa Barbara, 1985; Ph.D., 1991.  Associate Chair, Geographical Sciences  Professor, Applied Mathematics & Statistics, and Scientific Computation


Duraiswami  Ramani  Full Member  B.Tech, Indian Institute of Technology, 1985; Ph.D., John Hopkins University, 1991.  Associate Professor, Applied Mathematics & Statistics, and Scientific Computation  Associate Professor, Computer Science  Affiliate Associate Professor, Electrical and Computer Engineering

Elman Howard C. Full Member B.A., Columbia University, 1975; M.A., 1977; M.S., Yale University, 1979; Ph.D., 1982. Professor, Applied Mathematics & Statistics, and Scientific Computation Professor, Computer Science Affiliate Professor, Mathematics

Fox-Rabinovitz Michael Full Member Ph.D.; Moscow State University, M.S.; Moscow State University, and Scientific Computation


Evans Michael N. Full Member B.A., Harvard University, 1992; Ph.D., Columbia University, 1999. Associate Professor, Geology Associate Professor, Applied Mathematics & Statistics, and Scientific Computation

Fitzpatrick Patrick M. Full Member B.A., Rutgers University-New Brunswick, 1966; Ph.D., 1971. Associate Chair, Mathematics Professor, Applied Mathematics & Statistics, and Scientific Computation Professor, Mathematics


Gabriel Steven A. Full Member B.A., Middlebury College, 1981; M.S., Stanford University, 1984; M.A., Johns Hopkins University, 1989; Ph.D., 1992. Associate Professor, Applied Mathematics & Statistics, and Scientific Computation Associate Professor, Mechanical Engineering

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Golden Bruce L. Full Member B.A., University of Pennsylvania, 1972; S.M., Massachusetts Institute of Technology, 1974; Ph.D., 1976.

Goldman William M. Full Member A.B., Princeton University, 1977; Ph.D., University of California-Berkeley, 1980.

Greenberg Oscar Wallace Full Member B.S., Rutgers University-New Brunswick, 1952; M.A., Princeton University, 1954; Ph.D., 1957.


Gumerov Nail A. Non-Member M.S., Moscow State University, 1981, Ph.D., 1982.

Hadley Nicholas John Full Member Ph.D., University of California, 1983 M.A., University of California, 1978 B.S., Yale University, 1976
Hahn Jin-Oh Full Member B.S., Seoul National University, 1997; M.S., Seoul National University, 1999; Ph.D., Massachusetts Institute of Technology, 2008. Assistant Professor, Applied Mathematics & Statistics, and Scientific Computation Assistant Professor, Mechanical Engineering


He Xin Full Member B.S., Peking University, 2003 B.A., Peking University, 2003 Ph.D., University of Missouri, 2007 Associate Professor, Epidemiology Associate Professor, Biostatistics

Jabin Pierre-Emmanuel Full Member Ph.D., University of Paris VI, 2000 Professor, Applied Mathematics & Statistics, and Scientific Computation

Jacobs David Full Member Ph.D., MIT, 1992 Professor, Applied Mathematics & Statistics, and Scientific Computation

Herrmann Jeffrey W. Full Member B.S., Georgia Institute of Technology, 1990; Ph.D., University of Florida, 1993. Professor, Applied Mathematics & Statistics, and Scientific Computation Professor, Mechanical Engineering Professor, Systems Engineering

<table>
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<tr>
<th>Name</th>
<th>Title</th>
<th>Degree Details</th>
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<tbody>
<tr>
<td>Eugenia E</td>
<td></td>
<td>Distinguished Professor, University of Chicago, 2013.</td>
</tr>
<tr>
<td>Kishek</td>
<td>Full Member</td>
<td>Ph.d., University of Michigan, 1997 M.S.E., University of Michigan, 1995 B.S.E., University of Michigan, 1993.</td>
</tr>
<tr>
<td>La</td>
<td>Full Member</td>
<td>B.S., University of Maryland-College Park, 1994; M.S., University of California-Berkeley, 1997; Ph.D., 2000.</td>
</tr>
<tr>
<td>Richard</td>
<td></td>
<td>Distinguished Professor, University of Florida, 2013.</td>
</tr>
<tr>
<td>Jonathan</td>
<td></td>
<td>Distinguished Professor, University of California, 2012.</td>
</tr>
<tr>
<td>Lahiri</td>
<td>Full Member</td>
<td>Ph.D, University of Florida, 1986.</td>
</tr>
<tr>
<td>Partha</td>
<td></td>
<td>Associate Professor, Electrical and Computer Engineering.</td>
</tr>
<tr>
<td>Kedem</td>
<td>Adjunct Member</td>
<td>B. Math, University of Minnesota, 1984M.S., Cornell University, 1987Ph.D., Cornell University, 1990</td>
</tr>
<tr>
<td>Kingsford</td>
<td>Full Member</td>
<td>B.S. Duke University, 2000; M.A. Princeton University, 2002; Ph.D. Princeton University, 2005.</td>
</tr>
<tr>
<td>Carl</td>
<td></td>
<td>Associate Professor, Applied Mathematics &amp; Statistics, and Scientific Computation.</td>
</tr>
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</table>
Larsson  Johan  Full Member  B.S., Lund Institute of Technology, 1999; M.S., University of Lund, 1999; Ph.D., University of Waterloo, 2006  Associate Professor, Mechanical Engineering Assistant Professor, Applied Mathematics & Statistics, and Scientific Computation

Lee  Mei-Ling  Full Member  B.S., National Taiwan University, 1975; M.S., National Tsing Hua University, 1977; M.A., University of Pittsburgh, 1978; Ph.D., University of Pittsburgh, 1980  Professor, Epidemiology Professor, Applied Mathematics & Statistics, and Scientific Computation Professor, Biostatistics

Lee  Sung W.  Full Member  B.S., Seoul National University, 1966; M.S., Massachusetts Institute of Technology, 1974; Ph.D., 1978.  Professor, Applied Mathematics & Statistics, and Scientific Computation Professor, Aerospace Engineering

Lekic  Vedran  Full Member  A.B., Harvard University, 2004; Ph.D. University of California, Berkeley, 2009.  Assistant Professor, Geology Assistant Professor, Applied Mathematics & Statistics, and Scientific Computation


Lee  Mei-Ling  Full Member  B.S., National Taiwan University, 1975; M.S., National Tsing Hua University, 1977; M.A., University of Pittsburgh, 1978; Ph.D., University of Pittsburgh, 1980  Professor, Epidemiology Professor, Applied Mathematics & Statistics, and Scientific Computation Professor, Biostatistics

Levy  Doron  Full Member  B.Sc., Tel-Aviv University, 1991 M.Sc., Tel-Aviv University, 1994; Mathematics Ph.D., Tel-Aviv & Statistics, University, 1997 and Scientific Computation Distinguished Scholar-Teacher, Mathematics Professor, Mathematics Professor, Biophysics

Li  Yan  Full Member  B.S. Computer Science, Beijing Institute of Technology, 1997; M.S. Statistics, University of Nebraska at Lincoln 2002); Ph.D. Survey Statistics, University of Maryland at College Park 2006.  Associate Professor, Intermediate Survey Methodology Associate Professor, Survey and Data Science (online)

Liao  Yuan  Full Member  B.S., Tsinghua University, 2005; Ph.D., Northwestern University, 2010.  Assistant Professor, Applied Mathematics & Statistics, and Scientific Computation


Makowski  Armand M.  Full Member  B.S., Universite Libre de Bruxelles-Belgium, 1975; M.S., University of California-Los Angeles, 1976; Ph.D., University of Kentucky, 1981.  Professor, Electrical and Computer Engineering Professor, Applied Mathematics & Statistics, and Scientific Computation Professor, Systems Engineering

Marcus  Steven I.  Full Member  B.A., Rice University, 1971; S.M., Massachusetts Institute of Technology, 1972; Ph.D., 1975.  Professor, Electrical and Computer Engineering Professor, Applied Mathematics & Statistics, and Scientific Computation Professor, Systems Engineering

Margetis  Dionisios  Full Member  Diploma, National Technical University of Athens, 1992; S.M., Harvard University, 1994; Ph.D., Harvard University, 1999.  Professor, Applied Mathematics & Statistics, and Scientific Computation Professor, Mathematics


Mellet  Antoine  Full Member  B.A. Ecole Normale Superieur de Lyon, 1999 Universite Toulouse III, 2003  Professor, Mathematics Associate Professor, Applied Mathematics & Statistics, and Scientific Computation Assistant Professor, Atmospheric and Oceanic Science

Miyoshi  Takemasa  Full Member  Ph.D., University of Maryland, 2005  Assistant Professor, Applied Mathematics & Statistics, and Scientific Computation

Momen  Bahram  Full Member  B.S., University of Mazandaran Iran 1978; M.S., University of California-Davis, 1988; Ph.D., University of California-Berkeley, 1993.  Associate Professor, Applied Mathematics & Statistics, and Scientific Computation

Montesi  Laurent G. J.  Full Member  B.S., Pierre et Marie Curie University, 1994; M.S., Paris-Sud University, 1996; Ph.D., Massachusetts Institute of Technology, 2002.  Associate Professor, Geology Associate Professor, Applied Mathematics & Statistics, and Scientific Computation
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<tr>
<th>Name</th>
<th>Title</th>
<th>Fields</th>
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<tbody>
<tr>
<td>Mount David M.</td>
<td>Full Member</td>
<td>B.S., Purdue University, 1977; Ph.D., 1983. Professor, Applied Mathematics &amp; Statistics, and Scientific Computation Professor, Computer Science Professor, Electrical and Computer Engineering Professor, Applied Mathematics &amp; Statistics, and Scientific Computation Professor, Systems Engineering</td>
</tr>
<tr>
<td>Nava-Tudela Alfredo</td>
<td>Adjunct Member</td>
<td>Director, Scientific Computation Adjunct Professor, Applied Mathematics &amp; Statistics, and Scientific Computation</td>
</tr>
<tr>
<td>Neustadtl Alan</td>
<td>Full Member</td>
<td>B.A., Bates College, 1979; M.A., University of Massachusetts Amherst, 1982; Ph.D., 1987. Associate Professor, Applied Mathematics &amp; Statistics, and Scientific Computation Associate Professor, Sociology Oard Douglas Wiliam Full Member M.Elect.E., Rice University, 1979; B.A., 1979; Ph.D., University of Maryland-College Park, 1996. Professor, History and Library &amp; Information Science Professor, Human-Computer Interaction Professor, Information Management Professor, Information Management (online) Professor, Information Studies Professor, Applied Mathematics &amp; Statistics, and Scientific Computation Professor, Library and Information Science Affiliate Professor, Computer Science</td>
</tr>
<tr>
<td>Newcomb Robert W.</td>
<td>Full Member</td>
<td>B.S., Purdue University, 1955; M.S., Stanford University, 1957; Ph.D., University of California-Berkeley, 1960. Professor, Electrical and Computer Engineering Professor, Applied Mathematics &amp; Statistics, and Scientific Computation Professor, Neurosciences and Cognitive Science</td>
</tr>
<tr>
<td>Ott Edward</td>
<td>Full Member</td>
<td>B.S., The Cooper Union, 1963; M.S., Polytechnic Institute of Brooklyn, 1965; Ph.D., 1967.</td>
</tr>
<tr>
<td>Paley Derek</td>
<td>Full Member</td>
<td>B.S., Yale University, 1997; Ph.D., Princeton University, 2007.</td>
</tr>
<tr>
<td>Name</td>
<td>Last Name</td>
<td>Membership</td>
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<tr>
<td>Shayman</td>
<td>Mark A.</td>
<td>Full Member</td>
</tr>
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</tbody>
</table>

| Srinivasan| Aravind   | Full Member| Ph.D., Cornell University, 1993.                                              |
|           |           |            | Professor, Applied Mathematics & Statistics, and Scientific Computation Professor, Computer Science Associate Professor, Government and Politics Associate Professor, Applied Mathematics & Statistics, and Scientific Computation Associate Professor. |

| Slud      | Eric Victor| Full Member | B.A., Harvard University, 1972; Ph.D., Massachusetts Institute of Technology, 1976. |
|           |           |            | Professor, Applied Mathematics & Statistics, and Scientific Computation Professor, Mathematical Statistics Professor, Mathematics Associate Chair, Mathematics Director, Mathematical Statistics Associate Professor, Applied Mathematics & Statistics, and Scientific Computation Professor. |

|           |           |            | Professor, Government and Politics Associate Professor, Applied Mathematics & Statistics, and Scientific Computation Associate Professor. |

| Smith     | Paul J.   | Full Member | B.S., Drexel, 1965; M.S., Case Western Reserve, 1967; Ph.D., Case Western Reserve U, 1969. |
|           |           |            | Associate Professor, Applied Mathematics & Statistics, and Scientific Computation Associate Professor, Mathematical Statistics Associate Professor, Mathematics Professor. |

| Tadmor    | Eitan     | Full Member | B.Sc., Tel-Aviv University, 1973; M.Sc., Tel-Aviv University, 1975; Ph.D., Tel-Aviv University, 1979. |
|           |           |            | Distinguished University Professor, Applied Mathematics & Statistics, and Scientific Computation Distinguished University Professor, Mathematics Professor, Mathematics Professor. |

|           |           |            | Professor, Animal Sciences Professor, Applied Mathematics & Statistics, and Scientific Computation Assistant Professor, Biological Sciences. |

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<table>
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<tr>
<th>First Name</th>
<th>Last Name</th>
<th>Full Member</th>
<th>Education Details</th>
<th>Current Positions</th>
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