

# Instrument and Measurement Science

OCTOBER 2008

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<http://units.aps.org/units/gims>

The Topical Group on Instrument and Measurement Science (IMSTG) of the American Physical Society was formed in 1984 to encourage precision in measurements, to encourage development of instrument and measurement science, to provide a forum for discussions of these topics, and to provide professional recognition of the importance of instrument and measurement science.

**With this newsletter the practice of publishing a midyear issue has been reestablished. (The last midyear issue was in Oct. 1999.)**

## I. Minutes of the GIMS 2008 Business Meeting, March 11, New Orleans

- ▶ Discussed obtaining a unit handbook from APS (i.e., "How-To" Manual) and fine tuning it to apply to GIMS.
- ▶ Suggested to have afternoon session immediately before the business meeting in order to increase attendance.
- ▶ Discussion on spending money—ways to increase spending, since balance has been accumulating.
  1. Travel grants to reimburse travel expenses, specifically for foreign attendees. However, it may be necessary to set a limit
  2. Advertise that there is a limited amount of money to help defray cost for invited speakers who can't afford to attend. This caveat is suggested to be included in letters of invitation.
  3. Authority to disburse to be through the session chair. These funds are to distribute at his/her discretion up to a maximum approved by the secretary-treasurer.
- ▶ Moved and accepted to allocate 10% of the Treasury balance for a travel budget, to be administered by program chair at their discretion.
- ▶ Fellowship chair and vice chair to nominate fellows.
- ▶ Chair should have timeline for all respective duties.
- ▶ Current officers need to read unit handbook and program chair handbook.
- ▶ Election results due earlier: April for Fellowship nomination deadline. September is deadline for decisions.
- ▶ Chair to appoint Committee of 3 (Al Macrander, Jim Matey, Carolyn MacDonald) to put together list of dos and don'ts from previous chairs (including unwritten rules). To be edited by the sec.-treas. (Al Macrander).
- ▶ Suggestions from the floor about changes in arrangements for the GIMS March meeting dinner to increase attendance:
  1. Have reception after Keithley meeting, and before business meeting.
  2. Serve wine and cheese at business meeting, and still have dinner afterwards.
  3. Have no time gap between session and business meeting.
  4. Offer sign up for one year free membership at focus session.

## II. GIMS Leadership for the period March 2008 to March 2009

**Chair**, Charles Agosta  
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**Vice-Chair**, Joseph Stroschio  
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**Secretary-Treasurer**,  
Albert T. Macrander  
*term expires 3/11*  
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**Fellowship Committee Co-Chairs**  
Tim Graber and Joe Stroschio  
*see above*

**Program Chair**  
Tim Graber  
*see above*

**Newsletter Editor**  
Albert T. Macrander  
*see above*

### Executive Committee

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## III. Keithley Committee Chair

James R. Matey  
18 Stonebridge Lane,  
Princeton, NJ 08540  
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## IV. Focused Sessions for March 2009 Meeting in Pittsburgh

**15.10.1** X-ray and Neutron  
Instruments and Sciences (GIMS)

**15.10.2** Advances in Scanned Probe  
Microscopy I: Low Temperatures  
(GIMS)

**15.10.3** Advances in Scanned Probe  
Microscopy II: Force Methods (GIMS)

**15.10.4** Emerging Scanning Probe  
Microscopy Methods for Biological  
Applications (GIMS)

**15.10.5** Advances in Scanned Probe  
Microscopy III: High frequencies and  
Optical Techniques (GIMS)

## V. History of GIMS Leadership

YEAR	VICE CHAIR	CHAIR ELECT	CHAIR	SECRETARY TREASURER	SELECTED FELLOWS
MAR 1992 MAR 1993	Lorimer Miller	Alan Clark	Richard Anderson	Bruce Brandt	Richard Davis, Klaus Jaeger
MAR 1993 MAR 1994	Klaus Jaeger	Lorimer Miller	Alan Clark	Bruce Brandt	Andreas Mandelis
MAR 1994 MAR 1995	Robert Erdman	Klaus Jaeger	Lorimer Miller	Andreas Mandelis	Edwin Williams
MAR 1995 MAR 1996	Robert Soulen	Robert Erdman	Klaus Jaeger	Andreas Mandelis	Jack Ekin, Donald McDonald, Roger Stockbauer
MAR 1996 MAR 1997	Bruce Brandt	Robert Soulen	Robert Erdman	Andreas Mandelis	Blas Cabrera, Marvin Cage
MAR 1997 MAR 1998	Joe Griffith	Bruce Brandt	Robert Soulen	Andreas Mandelis	Ronald Oziuba, W. O. Hamilton, A. C. Parr
MAR 1998 MAR 1999	Eric Jones	Joe Griffith	Bruce Brandt	Andreas Mandelis	Richard Kautz
MAR 1999 MAR 2000	Robert Duncan	Eric Jones	Joe Griffith	Andreas Mandelis	Cristoph E. Gerber, Fred. L. Walls, William Haynes
MAR 2000 MAR 2001	David Seiler	Robert Duncan	Eric Jones	Gilbert Clark	None
MAR 2001 MAR 2002	Dwight Rickel	David Seiler	Robert Duncan	Chris Armstrong	None
MAR 2002 MAR 2003	Eric Palm	Dwight Rickel	David Seiler	Chris Armstrong	Gil Clarke, J. Stroschio, Fred Wellstood
MAR 2003 MAR 2004	Al Macrander	Eric Palm	Dwight Rickel	Chris Armstrong	James Viccaro, Thomas Ferrell, Kenneth Standing
MAR 2004 MAR 2005	Karen Waldrip	Al Macrander	Eric Palm	Chris Armstrong	Marshall Cleland, S. Zollner, L. A. Pinnaduwege
MAR 2005 MAR 2006	Carolyn MacDonald	Karen Waldrip	Al Macrander	Chris Armstrong	R. V. Duncan, S. Semancik
MAR 2006 MAR 2007	Chuck Agosta	Carolyn MacDonald	Karen Waldrip	Chris Armstrong	None
MAR 2007 MAR 2008	Tim Graber	Chuck Agosta	Carolyn MacDonald	Chris Armstrong	A. Macrander, K. Irwin, G. Gillies
MAR 2008 MAR 2009	J. Stroschio	Tim Graber	Chuck Agosta	Al Macrander	

continues on page 4

## VI. Account Balance

As of June 30, 2008 the GIMS account balance +\$74K.

## VII. Nominations Sought

Nominations for people to stand for elections are presently sought. Please send nominations to any GIMS officer (Agosta, Graber, Stroschio, or Macrander) See p.2 for email addresses. Two new GIMS positions will be filled in March 2009:

**Vice Chair & Fellowship committee chair.** This position promotes to Chair Elect & Program committee Chair in March 2010, and to GIMS Chair in March 2011.

**Executive committee member.** There will be a single vacancy, to serve for 3 years, executive committee members may be asked to serve on one of these GIMS committees: Fellowships, Nominations, Program, Publications.

**History of GIMS Leadership** *cont'd*

YEAR	PAST CHAIR-NOMINATING COMMITTEE	FELLOWSHIP COMMITTEE	EXECUTIVE COMMITTEE MEMBER	EXECUTIVE COMMITTEE MEMBER (x) <i>ex officio</i>	KEITHLEY COMMITTEE (c) chair (vc) vice chair (r) recipient
MAR 1992 MAR 1993	J. Matey, J. R. Grainer, J. Schooley	James Schooley	Robert Erdman, Klaus Jaeger, John Krause, Howard Layer	Andreas Mandelis, Robert Soulen, Thomas Braid (x)	None
MAR 1993 MAR 1994	Richard Anderson	James Schooley	Robert Erdman, Howard Layer J. Lindemuth, Henry Makowitz	Andreas Mandelis, Robert Soulen, Thomas Braid (x)	None
MAR 1994 MAR 1995	Alan Clark	Robert Soulen	Scott Hannahs, Howard Layer J. Lindemuth, Henry Makowitz	Barbara Cooper, David Seiler, Bob Soulen, Neil Sullivan, Joe Griffith, Thomas Braid (x)	None
MAR 1995 MAR 1996	Lorimer Miller	Alan Clark	Joseph Griffith, Scott Hannahs, Barbara Cooper, Henry Makowitz	Jeffrey Lindemuth, David Seiler, Neil Sullivan, Thomas Braid (x)	None
MAR 1996 MAR 1997	K. Jaeger, S. Hannahs, G. Wetsel	Alan Clark	Joseph Griffith, Scott Hannahs, Barbara Cooper, David Seiler	Neil Sullivan, Fred Fickett, Stu Kupferman, Thomas Braid (x)	None
MAR 1997 MAR 1998	Robert Erdman	Alan Clark	Barbara Cooper, Neil Sullivan, Fred Fickett, Stu Kupferman	K. Wickramasing, Michael Butler, Marvin Cage, Thomas Braid (x)	R. Erdman (c), Klaus Jaeger, Richard Anderson, Alan Clarke (vc), L. C. Davis, John Clarke (r)
MAR 1998 MAR 1999	Robert Soulen	Eric Jones	Fred Fickett, Stu Kupferman, K. Wickramasinghe, Michael Butler	Marvin Cage, Thomas Braid (x)	Alan Clarke (c), Larry Ruh, J. Craig Davis, A. Daire, John Clarke, Greg Stewart, S. Foner (r)
MAR 1999 MAR 2000	Bruce Brandt	Robert Soulen, Eric Jones, Robert Duncan	Stu Kupferman, K. Wickramasinghe, Michael Butler, Marvin Cage	Adam Dare, Scott Hannahs, W. Gil Clarke, Chris Hammel, Thomas Braid (x)	L. Rubin (c), R. J. Soulen (vc), Adam Daire, S. Foner, J. M. Kaufman, Wickramasinghe (r), Quate (r)
MAR 2000 MAR 2001	C. Agosta, T. Kniss, C. Williams, R. J. Cellotta, Joe Griffith	David Seiler	K. Wickramasinghe, Michael Butler, Marvin Cage	Barbara Paldus, Robert J. Cellotta, Thomas Braid (x)	R. J. Soulen (c), J. Kaufmann, Calvin Quote, K. Wickramasinghe, Marvin Cage (vc), Jim Matey, J. Faller (r)
MAR 2001 MAR 2002	Eric Jones	David Seiler, Dwight Rickel	Philip Wyatt, P. Chris Hammel, Scott Mammal, Greg Stewart	Barbara Paldus, Robert J. Cellotta, Al Macrander (x)	Marvin Cage (c), B. Brandt (vc), J. Faller, Jim Matey, R. Soulen (r)
MAR 2002 MAR 2003	Robert Duncan	Eric Palm, Al Macrander	R. Cellota, B. Paldus, P. C. Hammel	C. Agosta, Michael C. Gold, PJ Wyatt, Al Macrander (x)	Bruce Brandt (c), Gordon Thomas, Fred Fickett (vc), Eric Jones, R. Soulen, A. Ashkin (r)
MAR 2003 MAR 2004		Al Macrander			Fred Fickett (c), A. Ashkin, E. Jones, D. Seiler, S. Bogdanovich, V. B. Elings (r)
MAR 2004 MAR 2005	Dwight Rickel	Karen Waldrup	Stroscio, Peter, Weichmann, P. C. Hammel	Michael Gold, R. Heron, C. Agosta, Al Macrander (x)	Seiler (c), S. Bogdanovich, D. Rickel, J. Stroscio, V. B. Elings, D. Adams (r)
MAR 2005 MAR 2006	Eric Palm	Karen Waldrup	Stroscio, Daire, Weichman, Heron	G. Srajer, Al Macrander (x)	D. Rickel (c), Stan Tozer (vc), Dwight Adams, C. Agosta, F. Hellman (r)
MAR 2006 MAR 2007	Al Macrander	Chuck Agosta	Stroscio, Daire, Srajer	T. Graber, R. Heron, Eric Hudson, Al Macrander (x)	Stan Tozer (c), Art Hebard (vc), C. Agosta, Dwight Rickel, Vivian Zapf, F. Hellman, Kent Irwin (r)
MAR 2007 MAR 2008	Karen Waldrup	Chuck Agosta	Stroscio, Daire, Graber, Heron	Eric Hudson, G Srajer	Art Hebard (c), Jim Matey (vc), Al Macrander, K. Waldrup, Kent Irwin, Vivian Zapf, B. Wannberg (r)
MAR 2008 MAR 2009	Carolyn MacDonald	T. Graber, J. Stroscio	D. Rugar, Andreas Heinrich, George Gillies	Tim Graber, Keith Schardo, Eric Hudson, Al Macrander (x)	Jim Matey (c)

# GIMS

## NEWSLETTER

AMERICAN PHYSICAL SOCIETY

Topical Group on Instrument and Measurement Science

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