

**Minutes of SIAG/LA Business meeting 7/25/06  
University of Düsseldorf, Germany**

The meeting was brought to order at 19:20.

Misha Kilmer, Secretary, presented information about the SIAG membership: 357 regular members and 108 students. This is down over last years, probably due to a drop in student membership. The membership is split between 79% Academe, 10% Government, 7% Industry.

The LA06 meeting attendees included 74 students, 129 members (GAMM, SIAM, or ILAS), 81 non-members for a total of 284. There were 220 talks and 28 minisymposium. There was a breakout shown of attendees from 30 different countries.

Since LA03, the SIAG sponsored minisymposium tracks at both the Portland and New Orleans Annual meetings, and there have been six (6) LA related SIAM News articles. The SIAM LA prize has been given every three (3) years.

A Power Point presentation gave more detail on the meeting and the SIAG/LA activities. A link to this file is posted on the SIAG Web site <http://www.siam.org/activity/la/>.

It was reported that the nominating committee has put together a slate of eight (8) candidates, two (2) for each position. An electronic election will take place this Fall and the new officers will take office January 1.

A discussion then took place about the planning for the next meeting in 2009. Ilse presented slides describing the options the SIAG has in running the next meeting and the level of support available from SIAM: full service, minimum support, and no service. She also compared the registration costs of a full service SIAM meeting with fees for comparable meetings held by other societies. The SIAM fees were comparable or less expensive. She then requested proposals to run the next meeting.

Esmond Ng proposed he organize a group to run the next meeting in 2009. He would like to see the meeting in California since all the previous meetings in the US have been on the East coast. Also a West coast location could attract attendees from Asia. He suggested a meeting with limited services from SIAM, the level to be determined as he looks into locations. He believes local arrangements can be organized by Lawrence Berkeley full-time staff who are use to schedule for similar events. Locations that were discussed were the Napa Valley area and Kellogg West conference site CalPoly Pomona. Esmond favored the Kellogg site because of location and ease of getting there.

Marlis Hochbruck, one of the local organizers for LA06 discussed some of the arrangements for LA06. The organizing committee wanted to avoid the cost of SIAM services because they wanted a low registration fee for students. The student fee was 60 Euro (\$76.80), which basically covered the cost of the public transportation pass and the food and beverage costs of the welcome reception and coffee breaks. There was a discussion about the importance of making the meeting affordable for students.

The use of AV equipment at the University of Düsseldorf was nearly free and the organizers were able to negotiate free meeting rooms. There was money from the German Science Foundation. Indirectly there was support from the University because of the time and effort of the faculty, secretarial staff, and students needed to organize and run the conference. Marlis pointed out the need for a team to deal with the details. She did not even want to start to estimate the number of hours that went into the planning and running of the meeting.

Andy Walthen said the facilities were great because the lecture hall offered an excellent venue for the talks and were clustered together in one building. Everyone agreed that the meeting was a success and thanked the organizers.

Esmond Ng was approved to pursue organizing the next LA meeting for 2009.

There was discussion about going to a 5-day meeting in 2009. There were 5 parallel session and talks on most days went until 19:00. The organizers of LA06 tried to limit the number of talks and it was suggested that attendees be limited to only one talk at the conference. It was pointed out by Nick Higham that adding an extra day would add to the overall cost of the conference and may result in more people skipping the first or last day of the meeting. The idea of a 5-day meeting was not widely embraced and will not be pursued for the 2009 meeting.

The meeting was adjourned at 7:55 pm

Respectfully submitted by Linda Thiel, SIAM

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# SIAM Activity Group on Linear Algebra

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Business Meeting  
July 25, 2006

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# SIAG/LA Officers

- Chair: Ilse Ipsen
  - Vice Chair: Anne Greenbaum
  - Program Director: Michele Benzi
  - Secretary: Misha Kilmer
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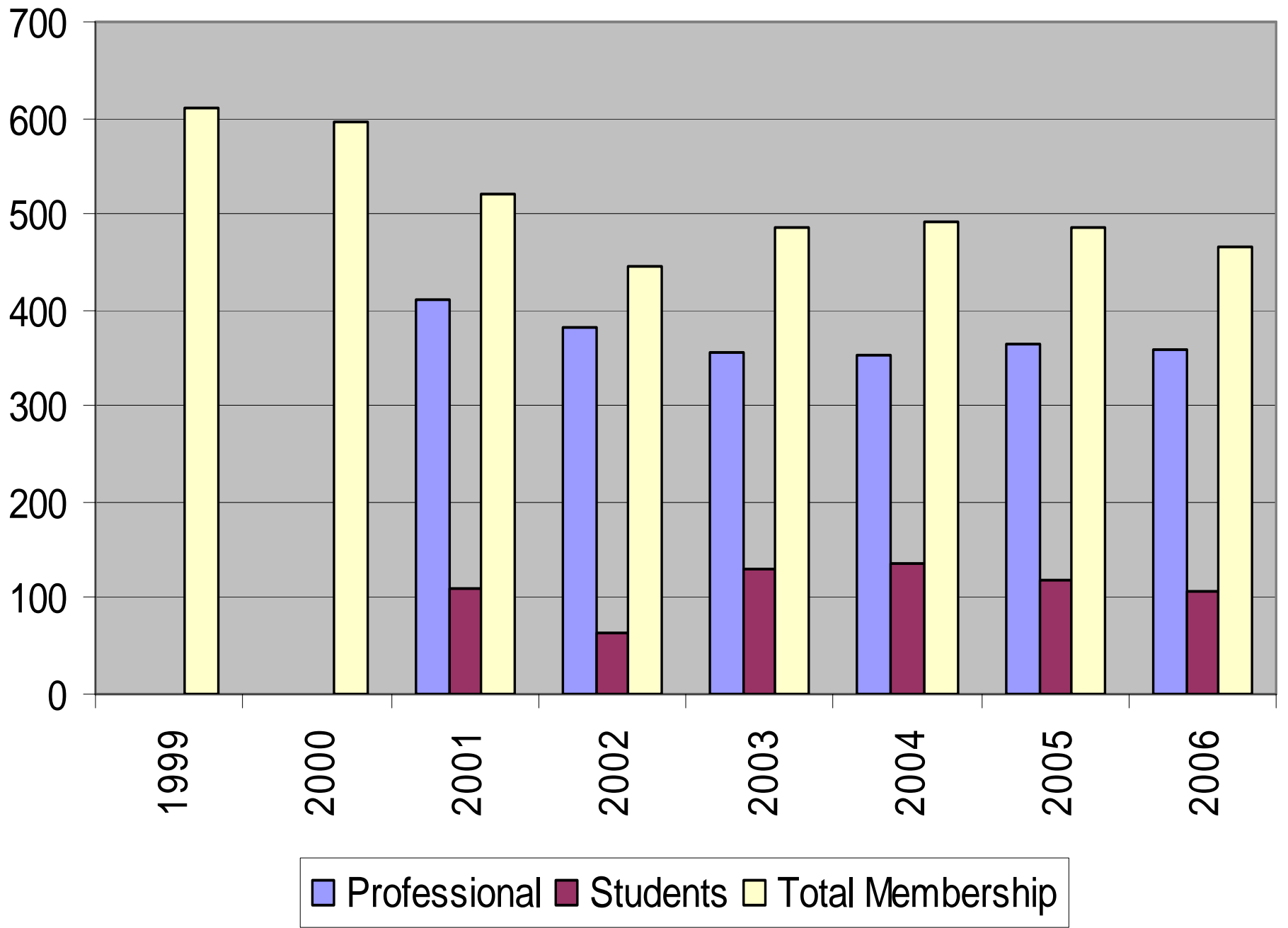
# Agenda

- SIAG/LA Membership Numbers
  - Evaluation of GAMM/LA2006
  - Report on SIAG/LA Activities
  - LA2009 Planning and Beyond
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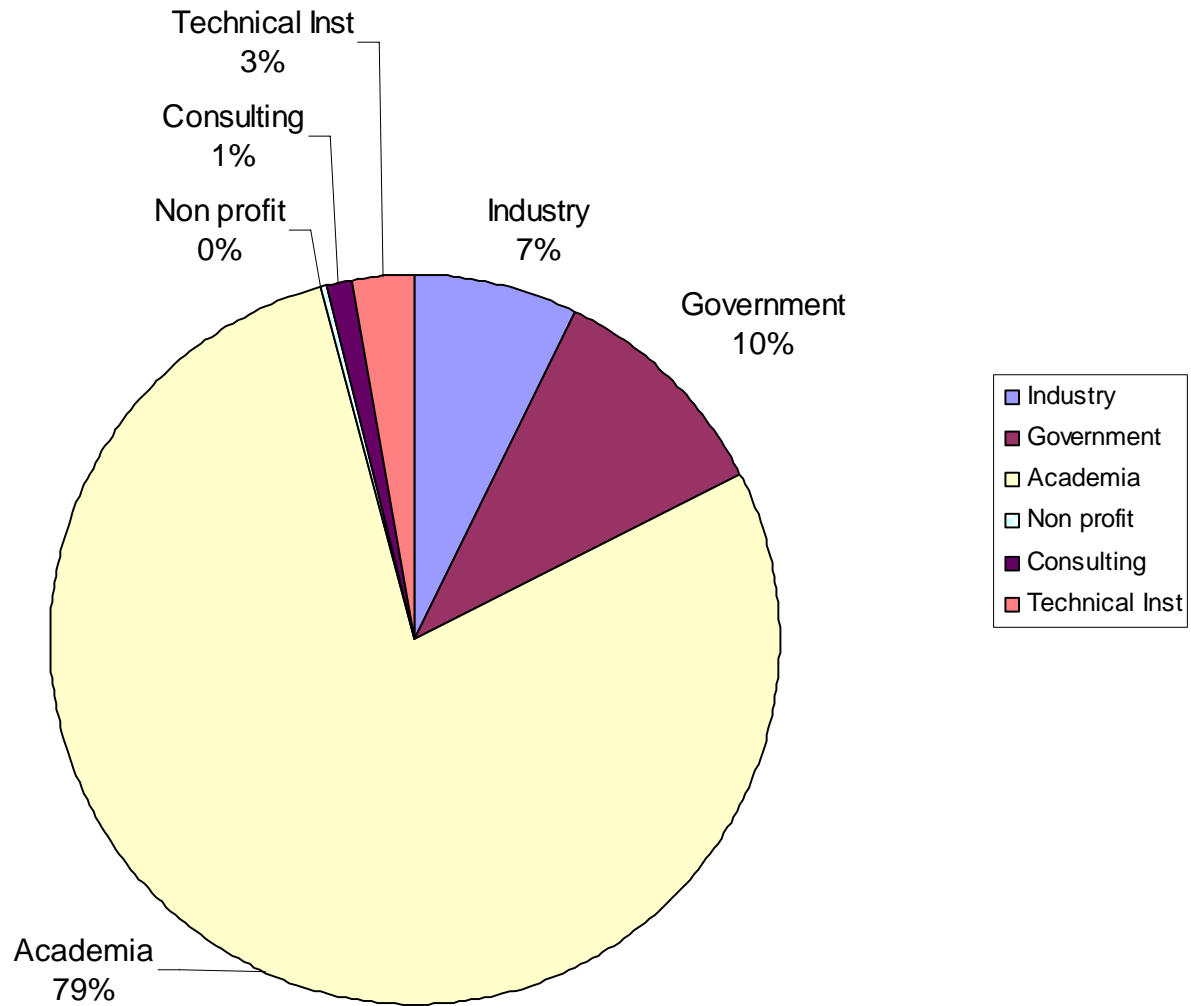
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# Current Membership

- There were 467 SIAG/LA members as of 6/17/2006
    - 359 Regular Members
    - 108 Student Members
    - 23% of total are Student Members
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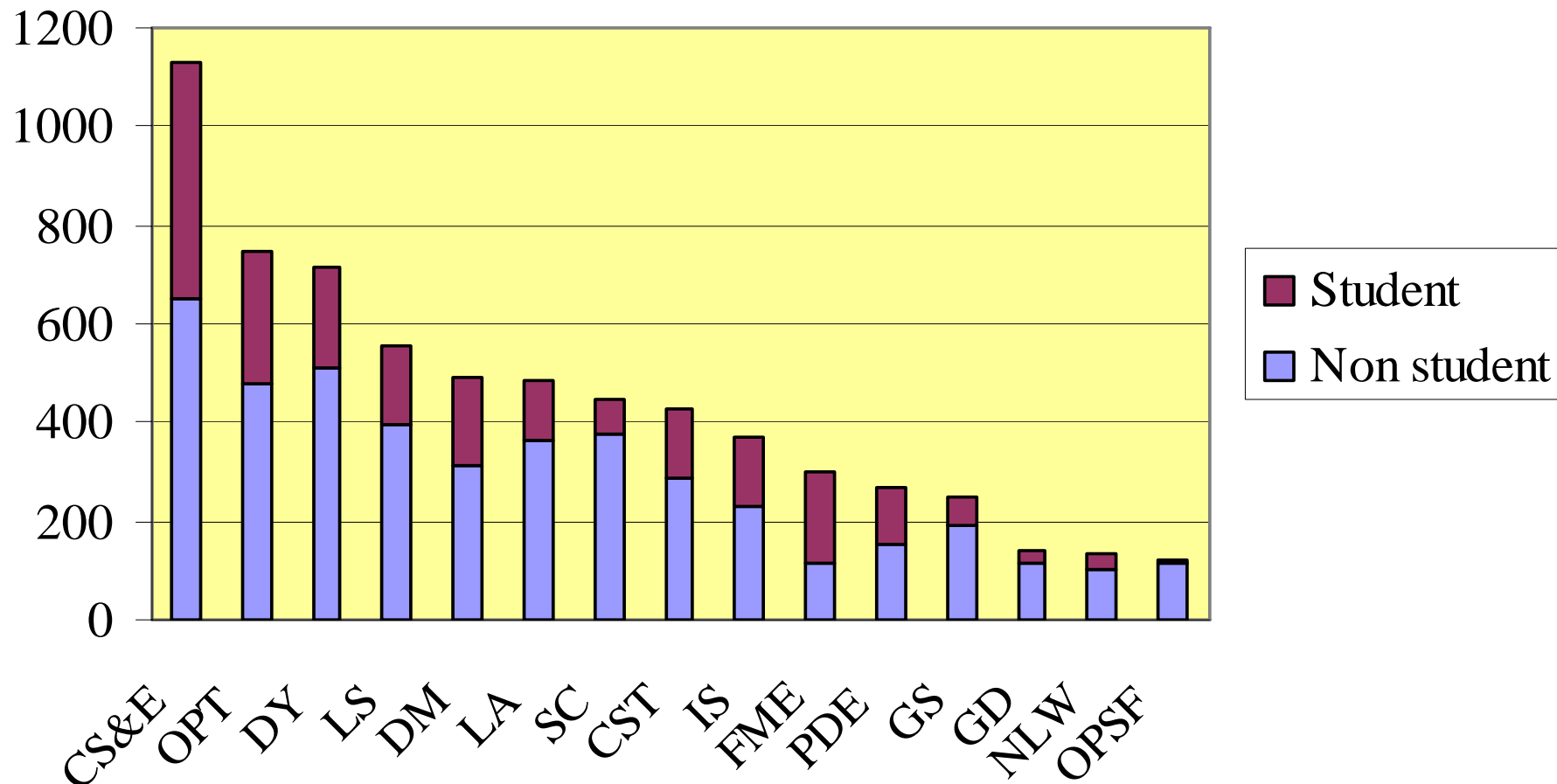
## SIAG/LA MEMBERS BY EMPLOYER TYPE - not including students





# Membership Comparison

## SIAM Activity Group Memberships 2005



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# Conference Data

- GAMM/LA2006, Düsseldorf, Germany
    - Attendees
      - 74 Students
      - 129 Members (GAMM, SIAM or ILAS)
      - 81 Non-members (GAMM, SIAM or ILAS)
      - 284 Total
    - Talks: 220
    - Minisymposia: 28
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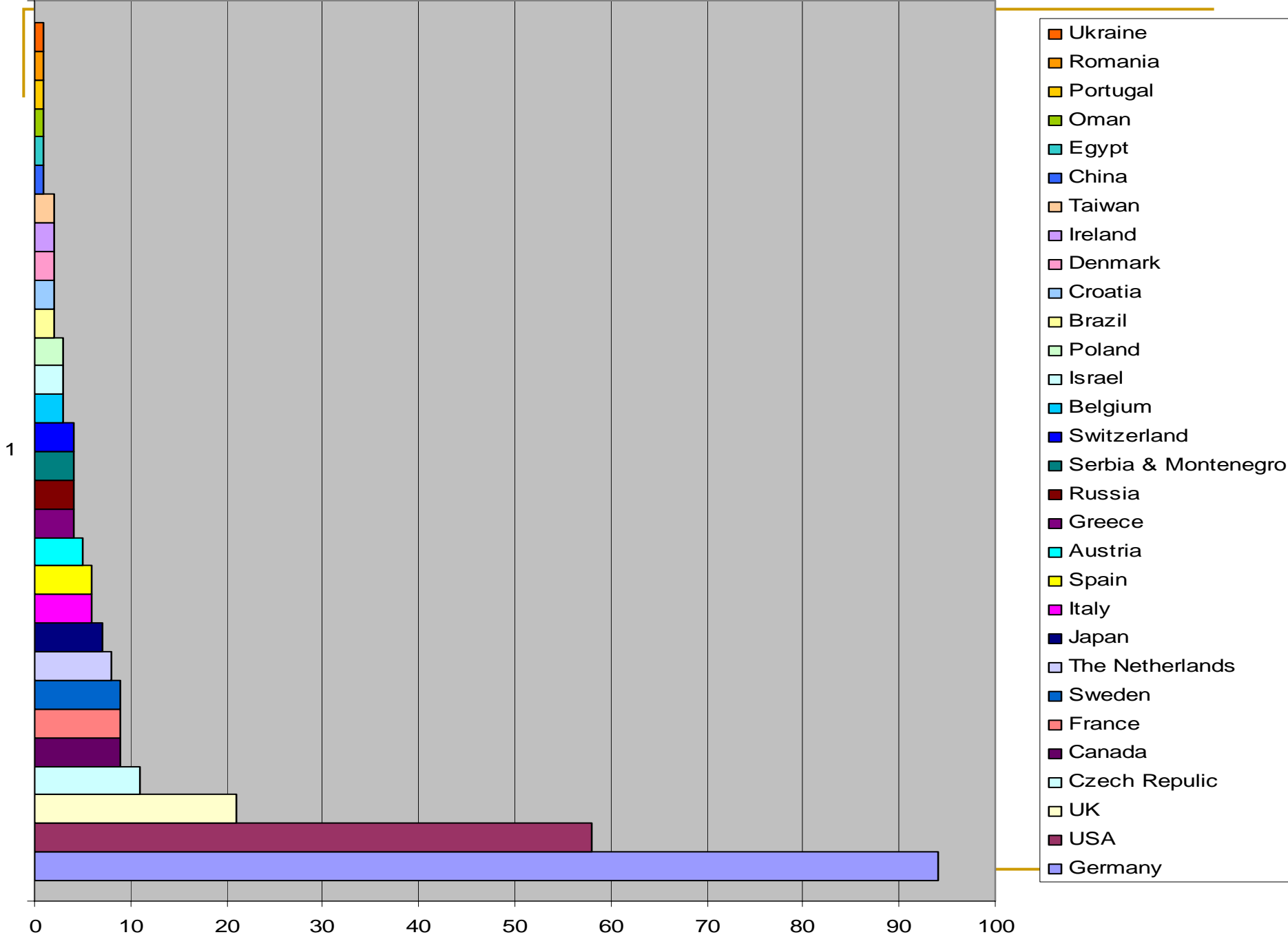
# LA Meeting Comparison

## ■ Attendance

- 2006: 284
- 2003: 261
- 2000: 235
- 1997: 166

## ■ Minisymposia

- 2006: 28
  - 2003: 22
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# Cooperative Conferences

- 11th ILAS Conference  
Coimbra, Portugal, July 19-22, 2004

## SIAG/LA lecturers:

- Julio Moro, Universidad Carlos III de Madrid Spain
  - Beatrice Meini, Universita di Pisa, Italy
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# 5 Sponsored Conferences

- Matrix Analysis and Applied Linear Algebra, A meeting in honor of Carl Meyer on the occasion of his 60th birthday, North Carolina State University, 15 May 2003
  - Third International Conference on Preconditioning Techniques for Large Sparse Matrix Problems, Napa, California, 26-28 October 2003
  - IWASEP5, V International Workshop on Accurate Solution of Eigenvalue Problems, Hagen, Germany, 28 June - 1 July 2004
  - Householder Symposium XVI, Seven Springs Mountain Resort, Campion, Pennsylvania, 23-27 May, 2005
  - Fourth International Conference on Preconditioning Techniques for Large Sparse Matrix Problems, Emory University, Atlanta, 19-21 May 2005
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# 9 Sponsored Minisymposia

- 2004 SIAM Annual Meeting in Portland:
  - Sparse Direct Methods, Combinatorial Techniques and their Applications (Iain Duff)
  - Alternatives to Eigenvalues, Parts I and II (Anne Greenbaum)
  - Recent Advances in Matrix Eigenvalue Problems (Nick Higham)
  - Computations and Applications of Tensor Decompositions (Tammy Kolda)
  - Markov Chains and PageRank (Amy Langville & Carl Meyer)
- The SIAG/LA had a track at AN05 in New Orleans:
  - Linear Algebra in Image Processing (Misha Kilmer)
  - Linear Systems and Matrix Functions in Computational Theoretical Physics (Andreas Frommer & Ilse Ipsen)
  - Eigenvector Methods in Information Retrieval (Amy Langville & Carl Meyer)
  - Historical Aspects of Numerical Linear Algebra (Michele Benzi)

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The plenary speakers were Volker Mehrmann and Martin Gander.

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## 6 LA-related SIAM News Articles

- Andreas Frommer: "QCD Simulations: Minuscule Particles, Gigantic Computations", June 2003
  - Nick Higham: "SIAG/LA Prize Winners Speed up the QR Algorithm", Nov. 2003
  - Ilse Ipsen: "Accurate Eigenvalues for Fast Trains", Nov. 2004
  - Beresford Parlett: "Accurate Eigenvalues, Anyone?", Nov. 2004
  - Misha Kilmer and Carla Moravitz Martin: "Decomposing a Tensor", Nov. 2004
  - Nick Higham: "An Interview with Peter Lancaster", July/August 2005
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# SIAG/LA Prize

- Est. 1987, Awarded every 3 years
  - 2006 Prize Committee
    - Anne Greenbaum
    - Roger Horn
    - Rich Lehoucq
    - Andy Wathen
    - Alan Edelman
  - Inderjit Dhillon and Beresford Parlett for "Orthogonal Eigenvectors and Relative Gaps", SIMAX, (2004).
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# SIAG/LA Nominations

- Nominating Committee
  - Bo Kågström
  - Misha Kilmer (Chair)
  - Rich Lehoucq
  - Michael Overton
  - Valeria Simoncini
- Slate has 8 candidates (2 per position)

New officers will be elected electronically this fall to take office on Jan 1, 2007. Don't forget to vote!

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# SIAG/LA on the Internet

- Electronic mailing list/newsletter
  - Established May 2001
  - Send mail to [siagla@mailersiam.org](mailto:siagla@mailersiam.org)
  - For more information, see the web site.
- Web Site
  - <http://www.tufts.edu/~mkilme01/siagla/>



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# Planning Future Meetings

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# Conference Attendance

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Location	year	attendance
Snowbird	1997	166
Raleigh	2000	235
Williamsburg	2003	261
Düsseldorf	2006	$\geq 270$

Attendance is monotonically increasing

2009?

# SIAM Conference Options

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- **Stand alone**
- Joint with another SIAM meeting  
e.g. **SIAM Annual Meeting**
- Run by another group (e.g. GAMM)

If **stand alone** then 3 options:

1. Full service
2. Limited service
3. No service

# Full Service Conference

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## SIAM provides:

Site selection

Contract negotiation with hotel

A/V support

On-site logistical support

Interface with hotel and A/V staff

Logistical support for organizing committee

Scheduling & room allocation

Abstracts, program book

Web page creation & maintenance

Advertising and promotion

Conference registration

# Limited Service Conference

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**Example: Conference on a university campus**

**SIAM provides:**

- Abstracts, program book
- Web page creation & maintenance
- Advertising and promotion
- Advance registration

**Conference organizers are responsible for:**

- all local arrangements



# Registration Fees

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- 2005 SIAM meetings: \$280- \$390
- DAMOP 2006 (APS): \$450
- SIGGRAPH 2006 (ACM): \$750
- SIGEVO 2006 (ACM): \$650
- CVPR 2006 (IEEE): \$375
- ACC 2006 (Control) \$380
- CDC 2006 (IEEE): \$400

Full service meetings, advance registration, US location