

SIAM Conference on

**Financial
Mathematics
& Engineering**

July 9-11, 2012

Hyatt Regency Minneapolis
Minneapolis, Minnesota, USA

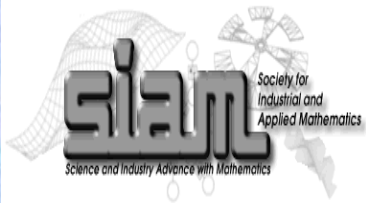
**SIAM Activity Group on
Financial Mathematics and
Financial Engineering
(SIAG/FME)**

BUSINESS MEETING July 10, 2012, 7:30 pm



SIAG/FME OFFICERS through 12/31/12

- Chair: **Rama Cont**
- Vice Chair: **Ronnie Sircar**
- Program Director: **Mike Ludkovski**
- Secretary: **Kay Giesecke**



Election of SIAG/FME officers for 2012-2014

CANDIDATES

Chair:

Ronnie Sircar (Princeton), Thaleia Zariphopoulou (Oxford)

- Vice-Chair:

Kay Giesecke (Stanford), Paolo Guasoni (Boston University)

- Program Director:

Sebastian Jaimungal (Toronto)

Alexander Schied (Mannheim)

- Secretary:

Erhan Bayraktar (Michigan) Michael Ludkovski (UCSB)

ANNOUNCEMENTS

- SIAG/FME Election 2012
- SIAG/FME Charter renewal 2012
- SIAG/FME website

<http://www.siam.org/activity/fme/>

- SIAG FME wiki

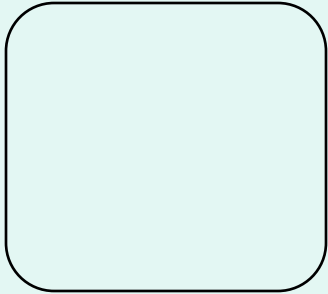
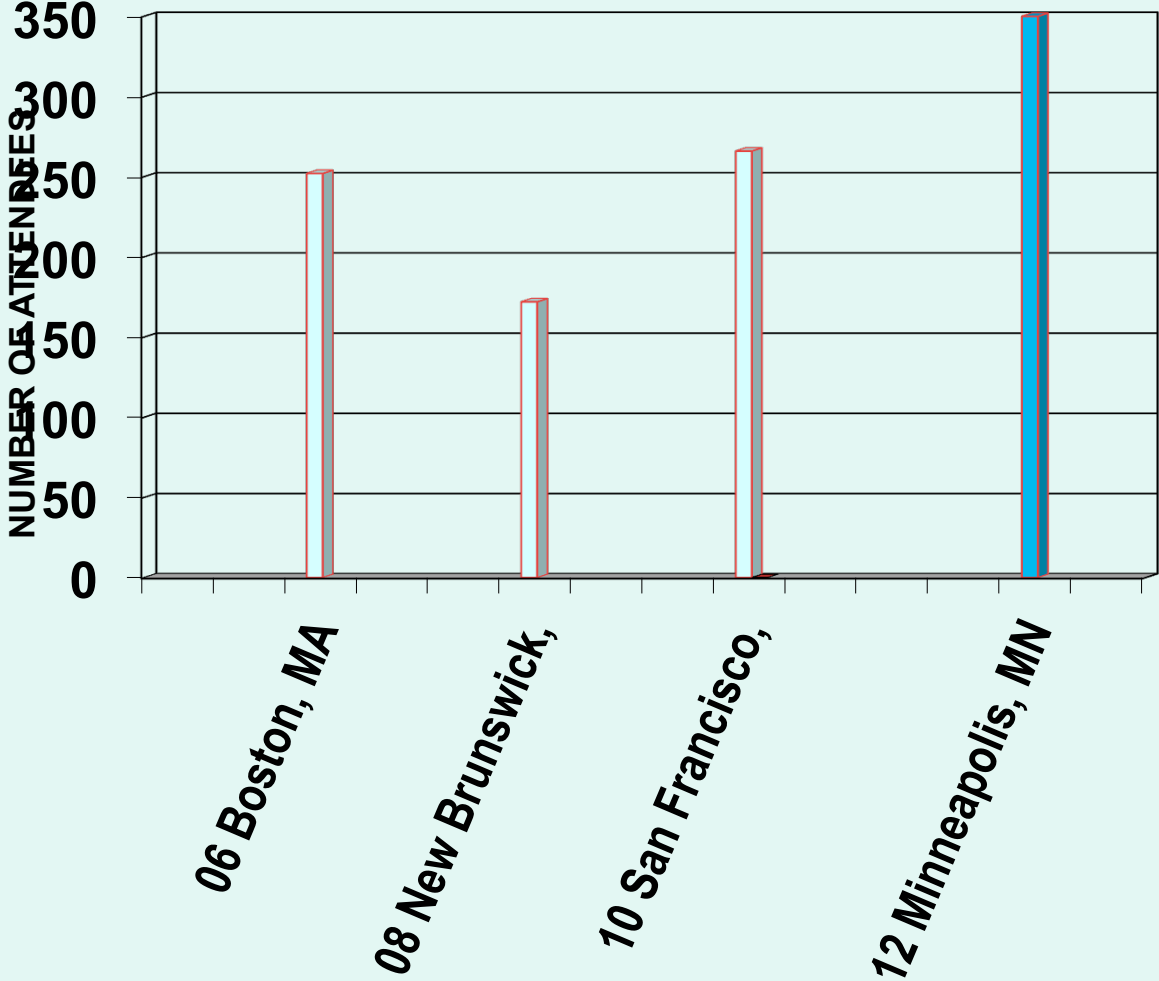
http://wiki.siam.org/siag-fm/index.php/Main_Page

- SIAG/FME electronic mail list

siam-fme@siam.org

- *SIAM News*: Story ideas

SIAG/FME CONFERENCE HISTORY



SIAG/FME CONFERENCE FM12

Organizing Committee

Co-chairs:

Rama Cont CNRS-Université Paris VI, France

Mike Ludkovski, University of California, Santa Barbara

Members:

Nicole El Karoui, Université Paris VI

Jim Gatheral, Baruch College, New York

Kay Giesecke, Stanford University

Roger Lee, University of Chicago

Jin Ma, University of Southern California

Alexander Schied, University of Mannheim, Germany

Nizar Touzi, Ecole Polytechnique, France

SIAG/FME CONFERENCE FM12

> 350 participants (vs 250 in 2010)

29 Thematic Minisymposia (vs 17 in 2010)

66 Contributed talks (vs 64 in 2010)

Traditional topics: derivative pricing/hedging, commodities, portfolio optimization, stochastic control, stochastic modeling

Emerging topics:

Systemic Risk (8 MiniSymposium talks+ 1 plenary)

Limit order markets and high frequency data

(8 MiniSymposium talks+ 2 plenary+ 6 contributed)

Stress testing/ Risk Management (7 talks)

Less focus on pricing of complex/exotic derivatives, more focus on interface with finance/economics/risk management/ regulation.

Indicates overall picture of a dynamic research community which adapts quickly to new research challenges.

SIAG/FME Junior Scientist Prize

Established in 2010, awarded to an outstanding junior researcher for distinguished contributions to mathematical modeling in finance in the three calendar years prior to the year of the award.

2010 prize recipient: Erhan BAYRAKTAR (Michigan)

2012 prize recipient: **Sergey Nadtochiy** (Oxford, UK)

Message to members: nominate your young colleagues for the next award in 2014!

Next SIAG Conference: FM14

- **Possible locations: New York, Washington DC, Chicago or Snowbird (Utah)**
- **Timing: November 2014**
- **Program Committee**

SIAM Journal on Financial Mathematics

Our SIAG's flagship journal

Editors-in-Chief:

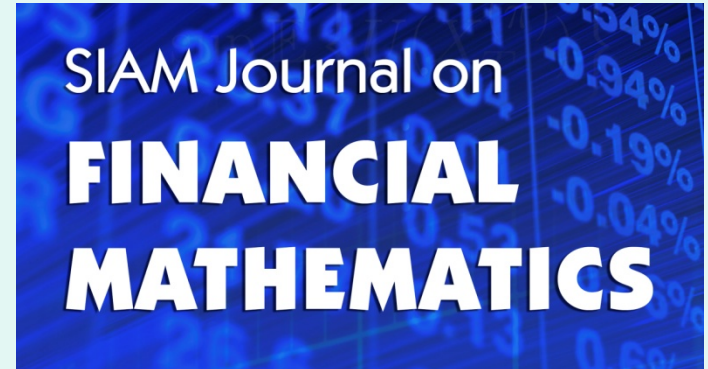
René Carmona, Ronnie Sircar

Electronic, continuous publication (short time between acceptance and publication)

3 volumes, 95 papers published

Has established itself as a leading, high-quality journal in the field.

ACCEPTING SUBMISSIONS!



A voice in the current debate on regulatory reform

- The recent financial crisis has emphasized the importance of adequate tools and sound methodologies for modeling and monitoring financial risks, whether at an institutional or at a systemic level. This calls for more -not less!- research in quantitative finance and risk management.

Regulators are increasingly aware of the importance of quantitative risk modeling.

SIAG/FME members have voiced these opinions to regulators, decision makers, academics and the mathematics community, and actively participate in the ongoing debates and research initiatives (US Office of Financial Research).

Join SIAM!

- If you paid non-member registration fees, you'll get a discount on membership:
 - Non-member registrants receive \$130 credit, and an offer to join for \$6.
If you are not a member and registered for this event, you can join for only 6 \$!
 - Non-member mini speaker/organizer registrants receive \$65 credit and an offer to join for \$71.
 - SIAG members will receive up-to-date information on forthcoming SIAM events, a subscription to *SIAM News* and reduced registration fees for future events. Join!

Benefits of SIAM Membership

SIAM News

SIAM Review

Unwrapped (member e-news)

Discounts

80%-95% journal

30% book

20%-30% conference

**Eligible to nominate or be
nominated as a SIAM Fellow**

Participate in SIAM governance

Join SIAM Activity Groups

**Nominate 2 students for free
membership**

**CML - combined membership
directory**

For Students:

- **Student chapters**
- **Prizes**
- **Educational resources**
- **Fellowship and research opportunities**
- **Career options/guidance**

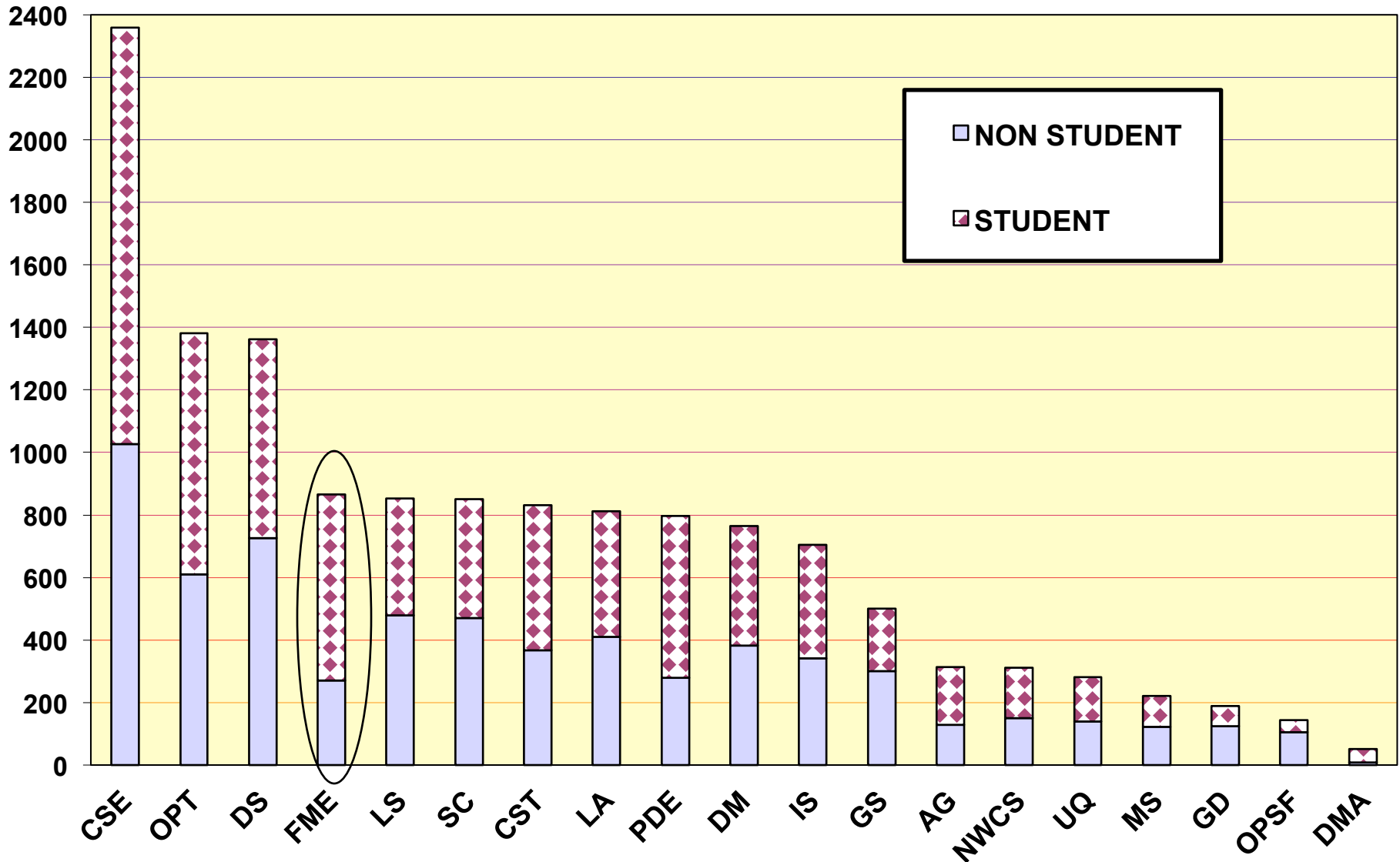
SIAG/FME
MEMBERSHIP
REPORT
(as of 12/31/11)

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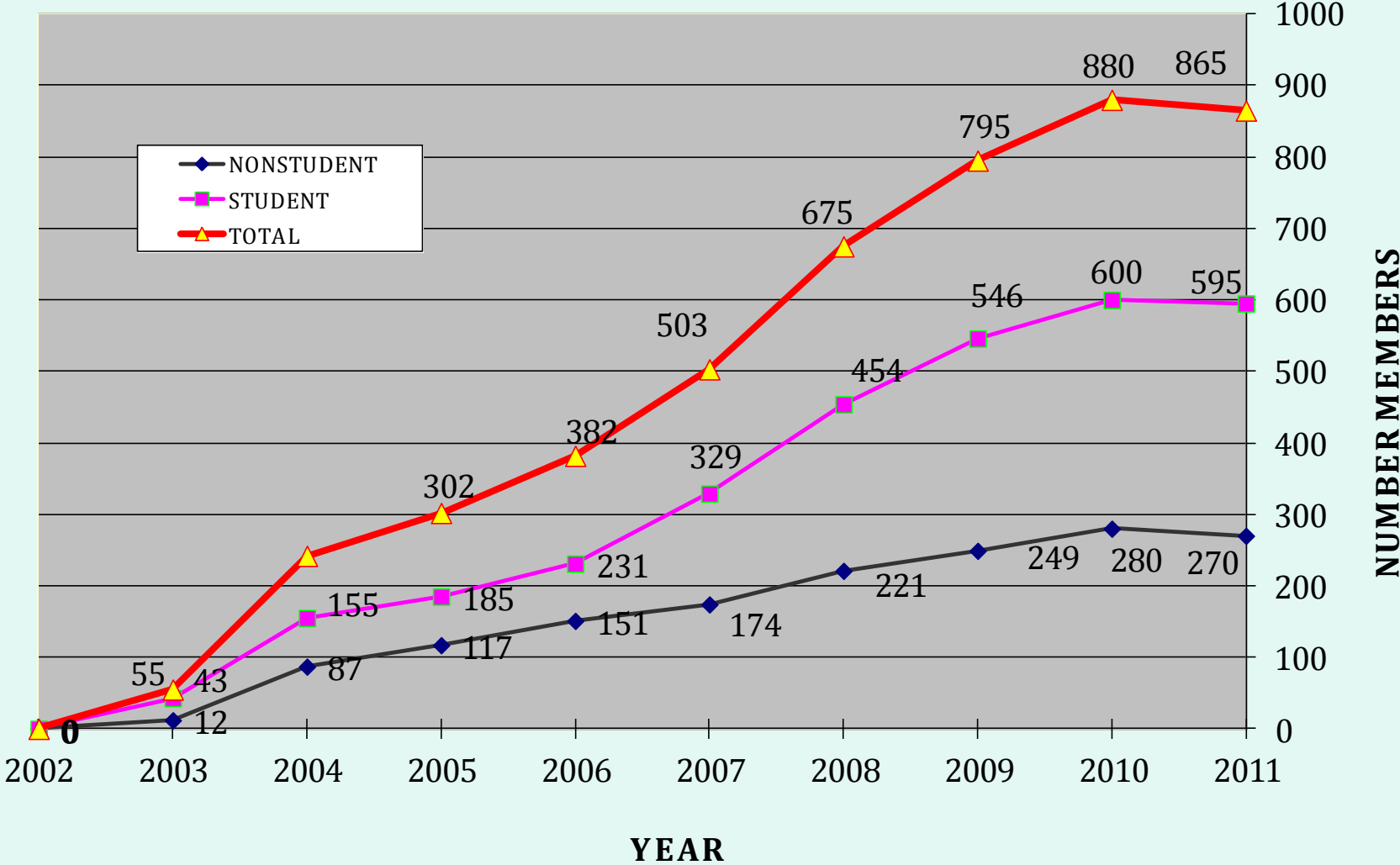
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SIAM ACTIVITY GROUP MEMBERSHIP as of 12/31/2011

54% STUDENTS, 29% OUTSIDE THE US

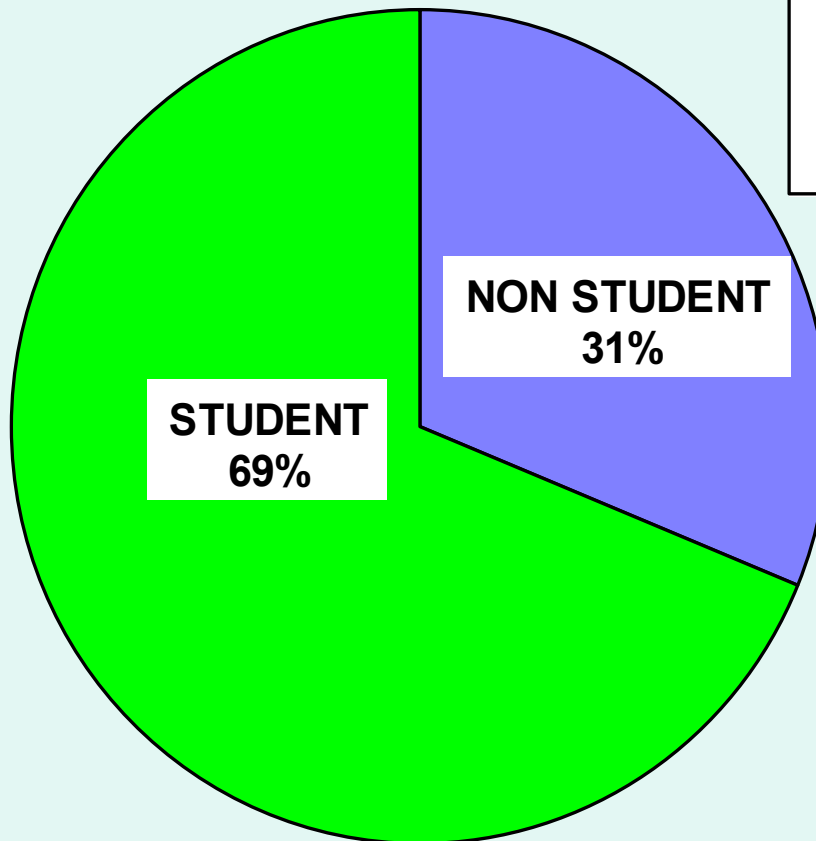


SIAG/FME MEMBERSHIP HISTORY



SIAG/FME MEMBERS

865 as of 12/31/11

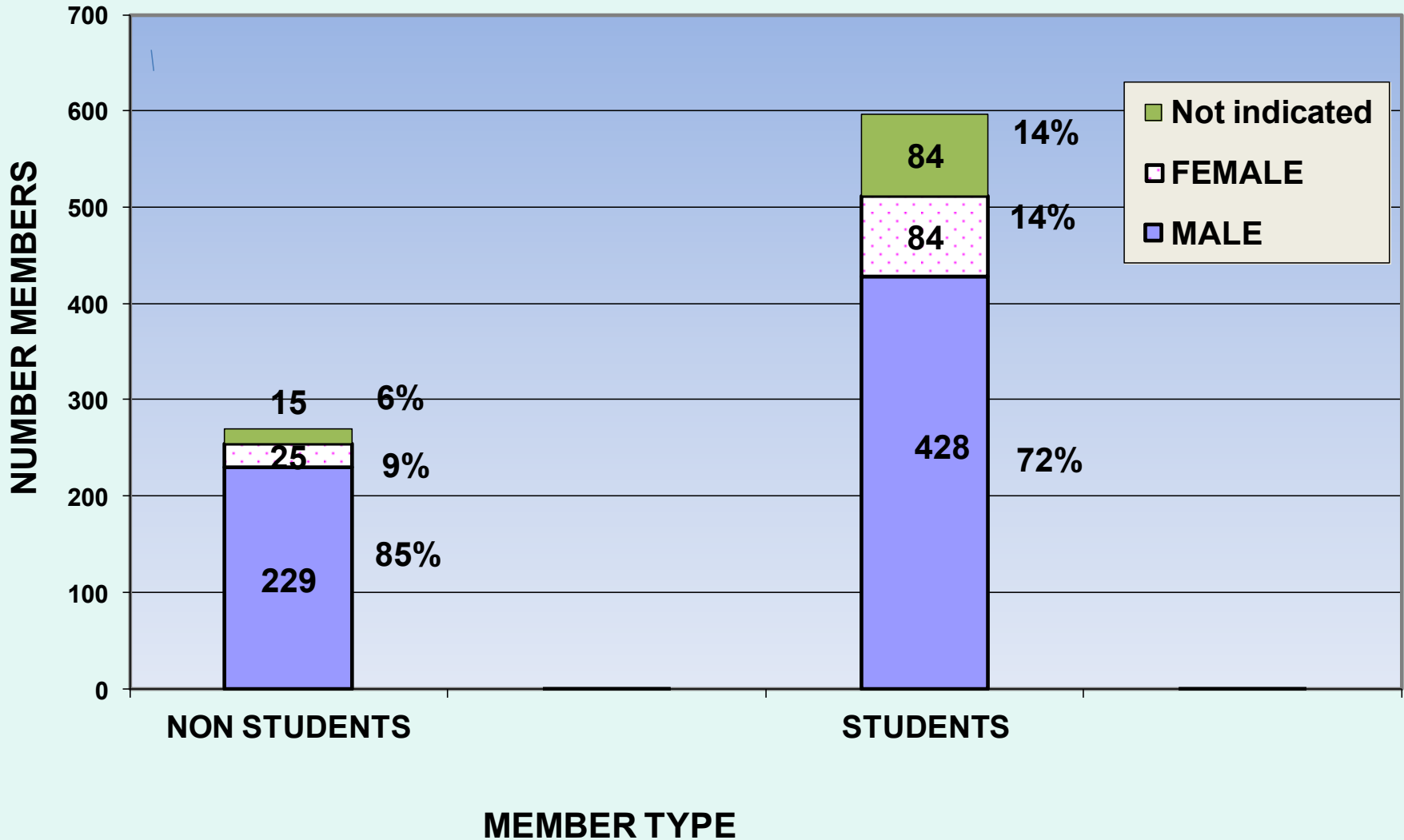


■ NONSTUDENT

■ STUDENT

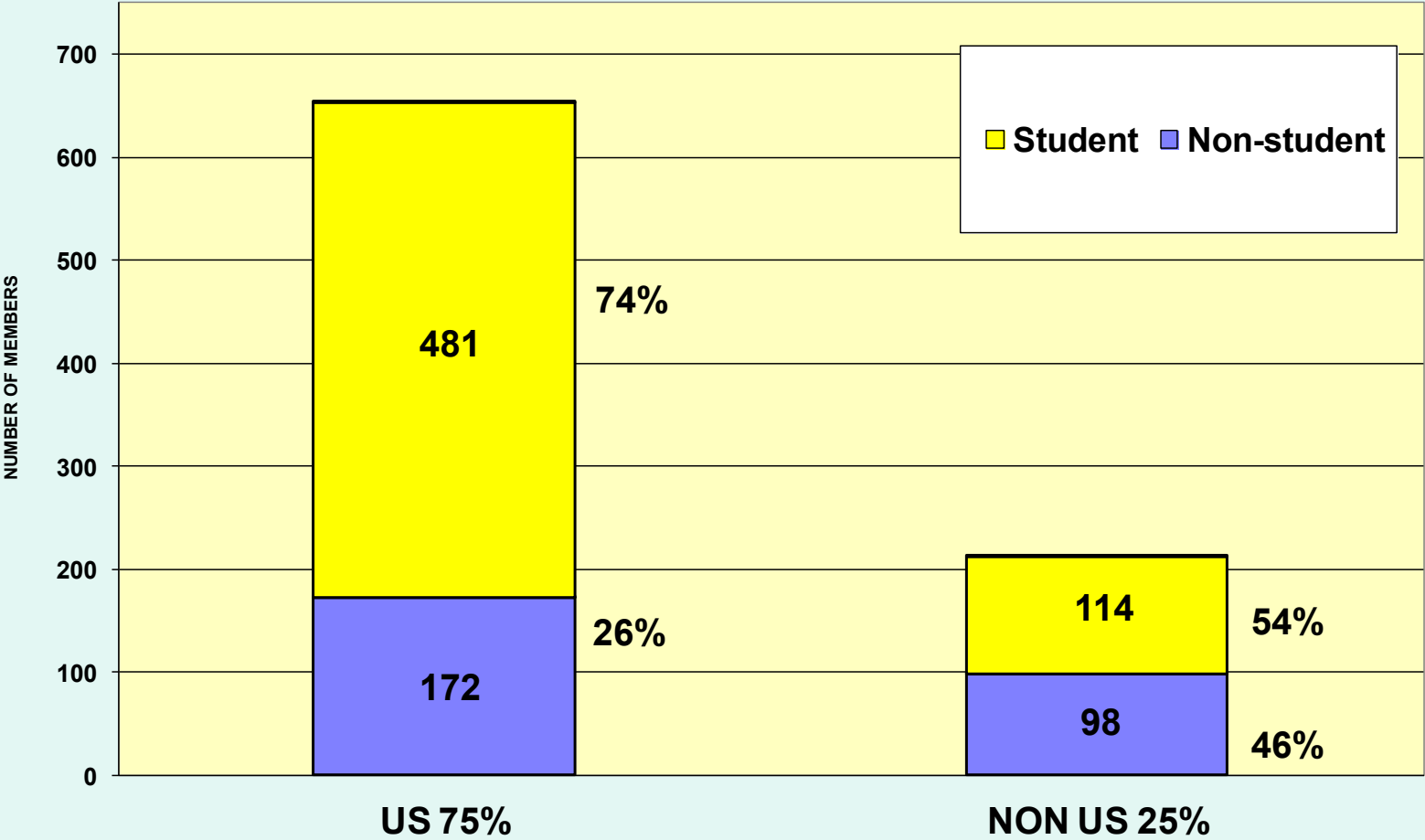
SIAG/FME MEMBERSHIP BY GENDER

MALE 76% FEMALE 13% not indicated 11%



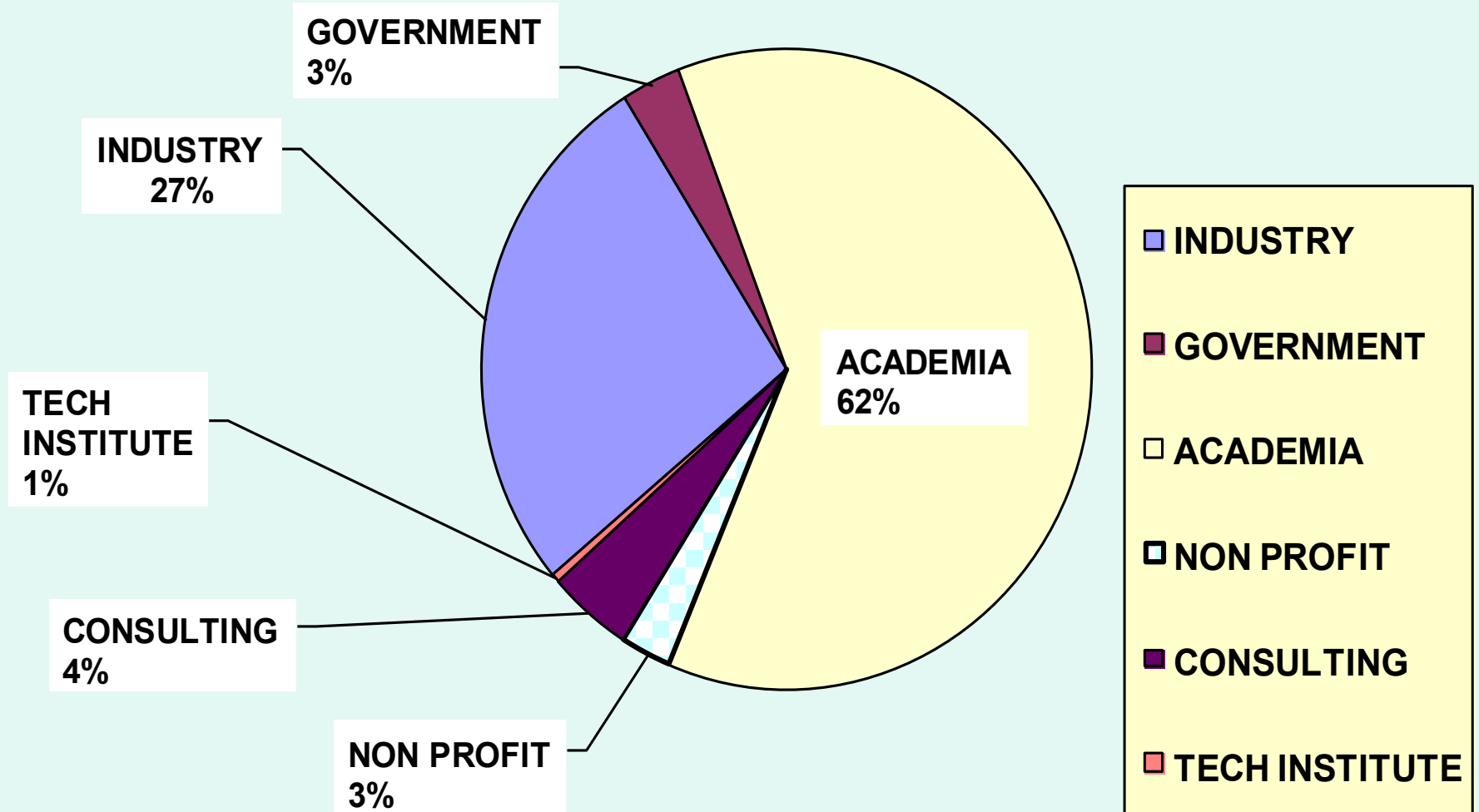
Geographic distribution: 75% US, 25% outside US

Strong European presence

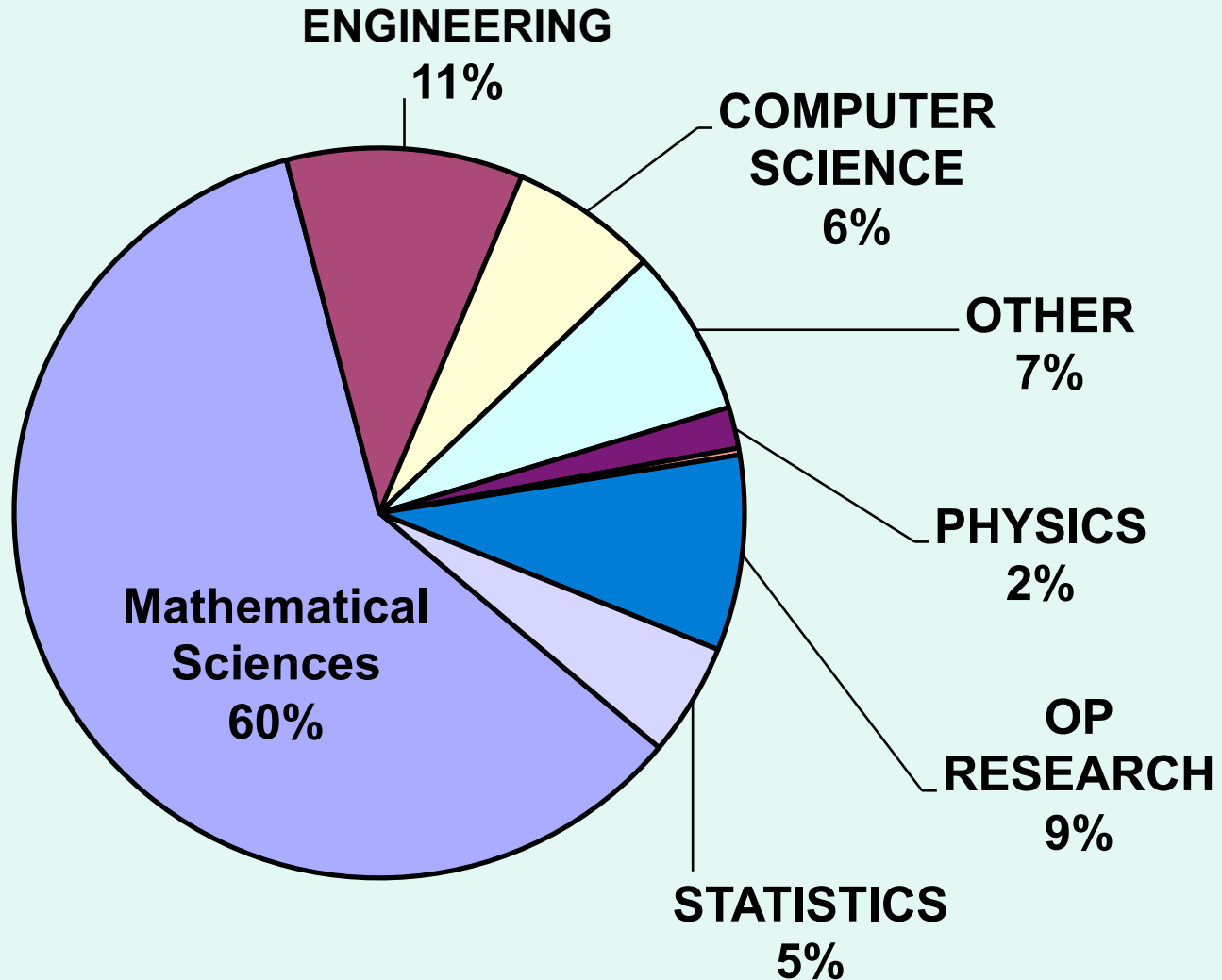


SIAG/FME MEMBERS BY EMPLOYER TYPE

not including students



SIAG/FME DEPARTMENTS





Proposals for future activities

- Joint conference with SMAI (*Société de Mathématiques Appliquées & Industrielles*) in France in 2013.
- Other Proposals/ Initiatives? Contact us!

SIAG/FME CONTACTS



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rama.cont@upmc.fr

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sircar@princeton.edu

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ludkovski@pstat.ucsb.edu

Secretary: Kay Giesecke

giesecke@stanford.edu