

SIAG/DS BUSINESS MEETING

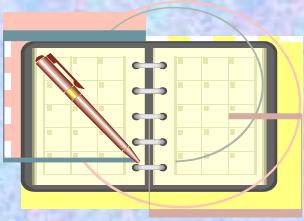
Monday, May 18, 2009
Snowbird, Utah





SIAG/DS OFFICERS

- *Chair:* Mary Lou Zeeman
- *Vice Chair:* Arjen Doelman
- *Program Director:* Jeffrey Moehlis
- *Secretary & DS Web Magazine Editor:* Evelyn Sander
- *DSWeb Portal Editor:*
Martin Wechselberger



SIAG/DS AGENDA

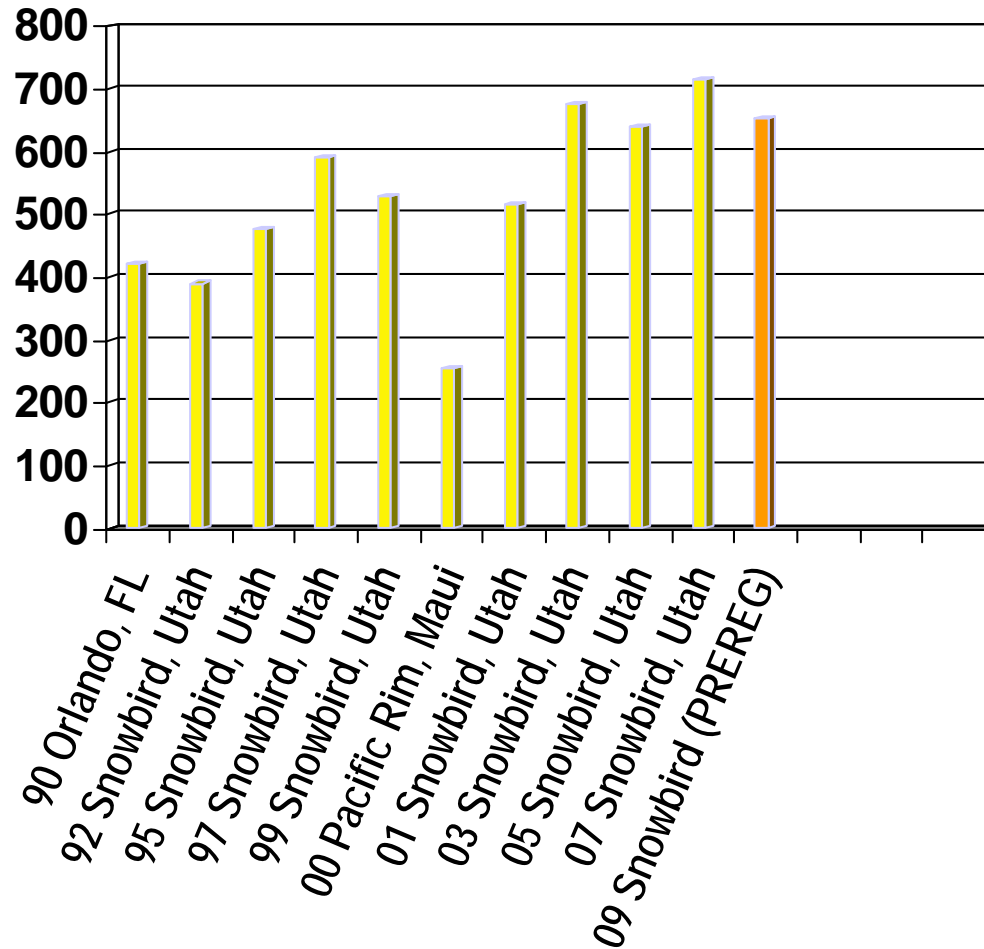
- **Reports**
 - Membership and DSWeb Magazine ~ Evelyn Sander
 - DSWeb ~ Martin Wechselberger
 - SIADS ~ Tasso Kaper
- **Short Business**
- **DS Conferences**
 - DS09, DS11, etc
 - DSPDEs'10, Barcelona
 - ICIAM 2011- Vancouver, BC, Canada
 - AN12: Consider proposing track

SIAG/DS MEMBERSHIP REPORT (as of 12/31/08)

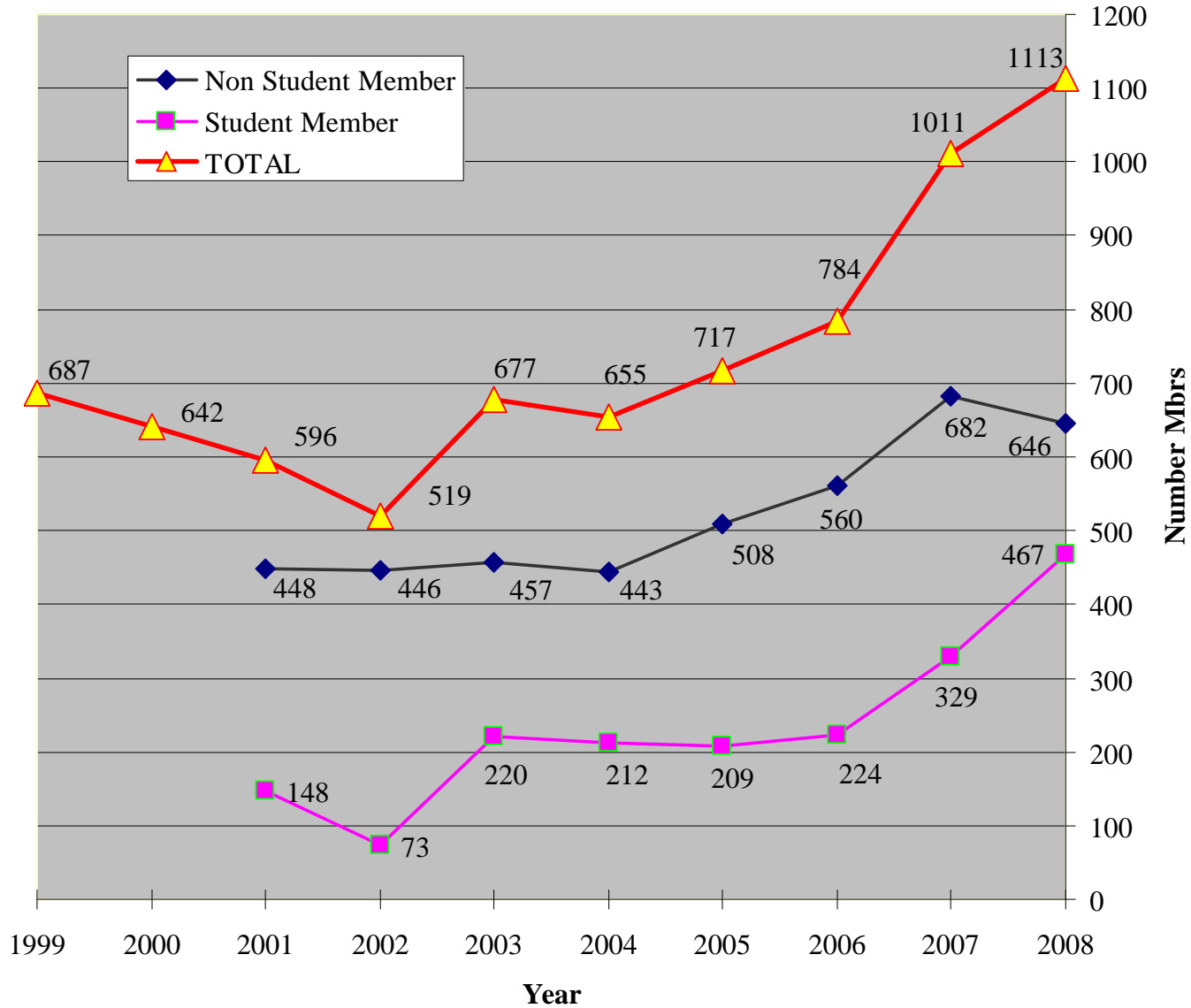


SIAG/DS CONFERENCE HISTORY

Number of
Conference
Attendees

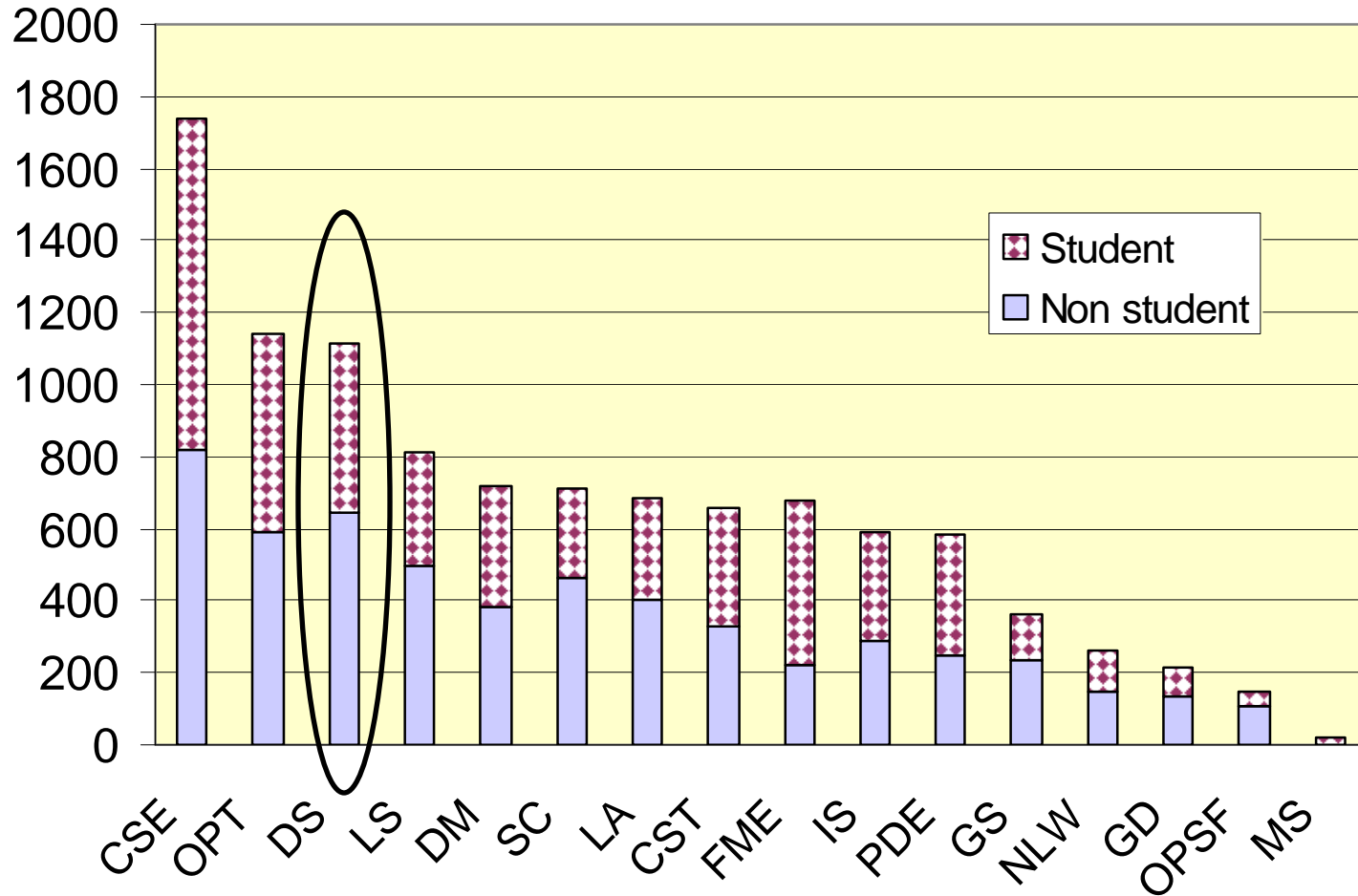


SIAG/DS MEMBERSHIP HISTORY



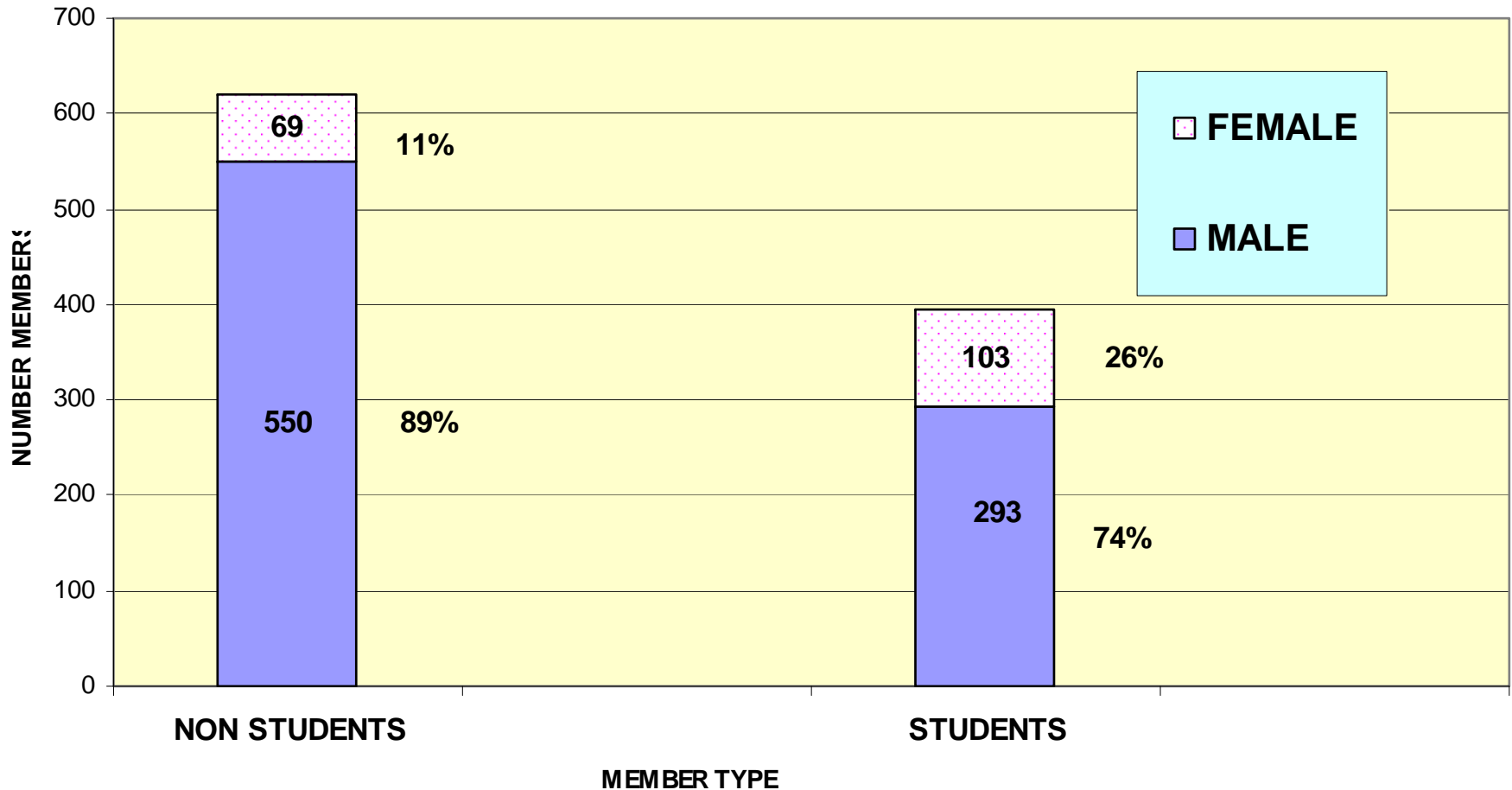
ACTIVITY GROUP MEMBERSHIP (12/31/08)

46% non-students and 66% students belong to a SIAG



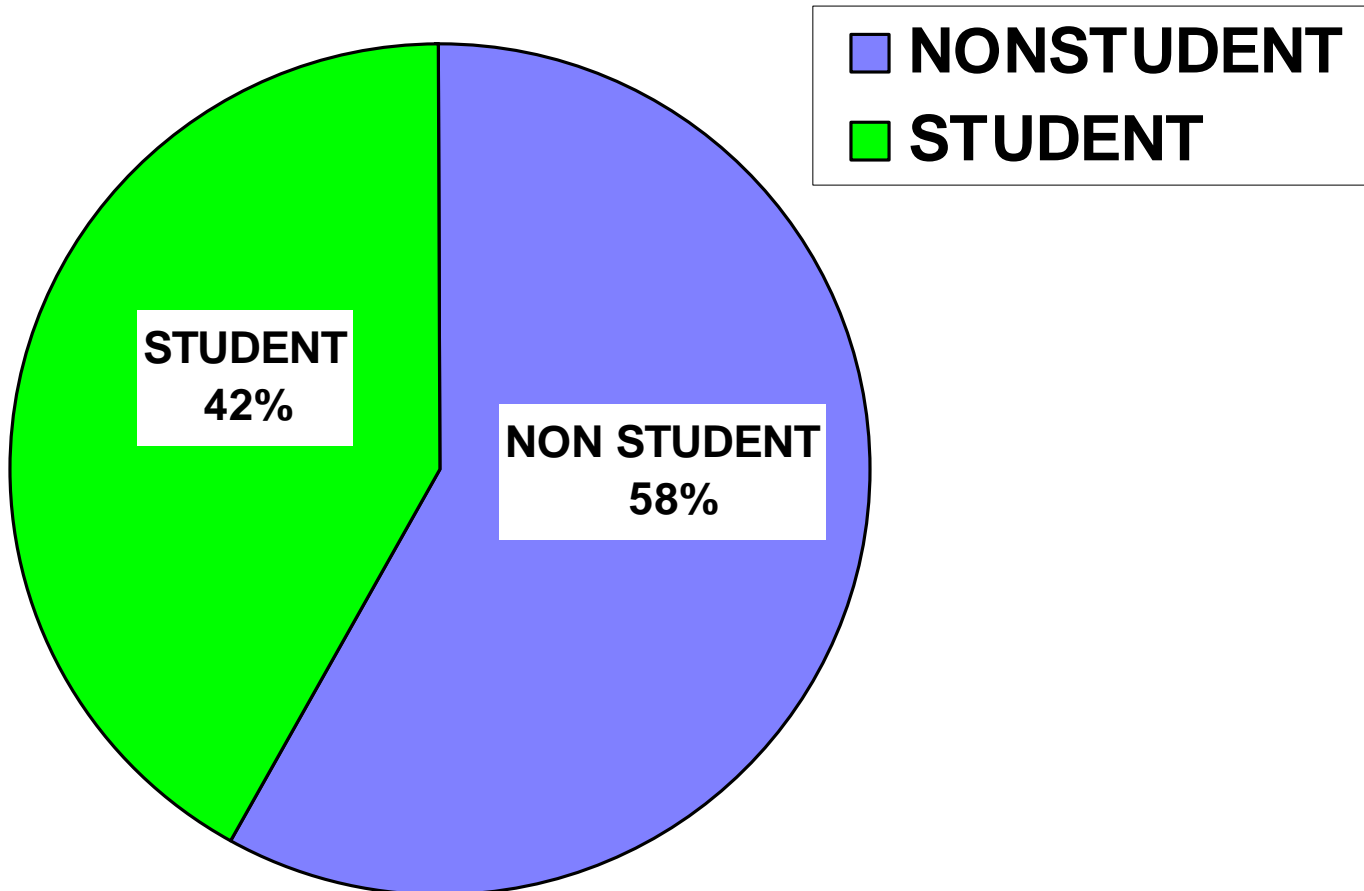
SIAG/DS MEMBERSHIP BY GENDER

MALE 83% FEMALE 17%



SIAG/DS MEMBERS

1113 as of 12/31/08

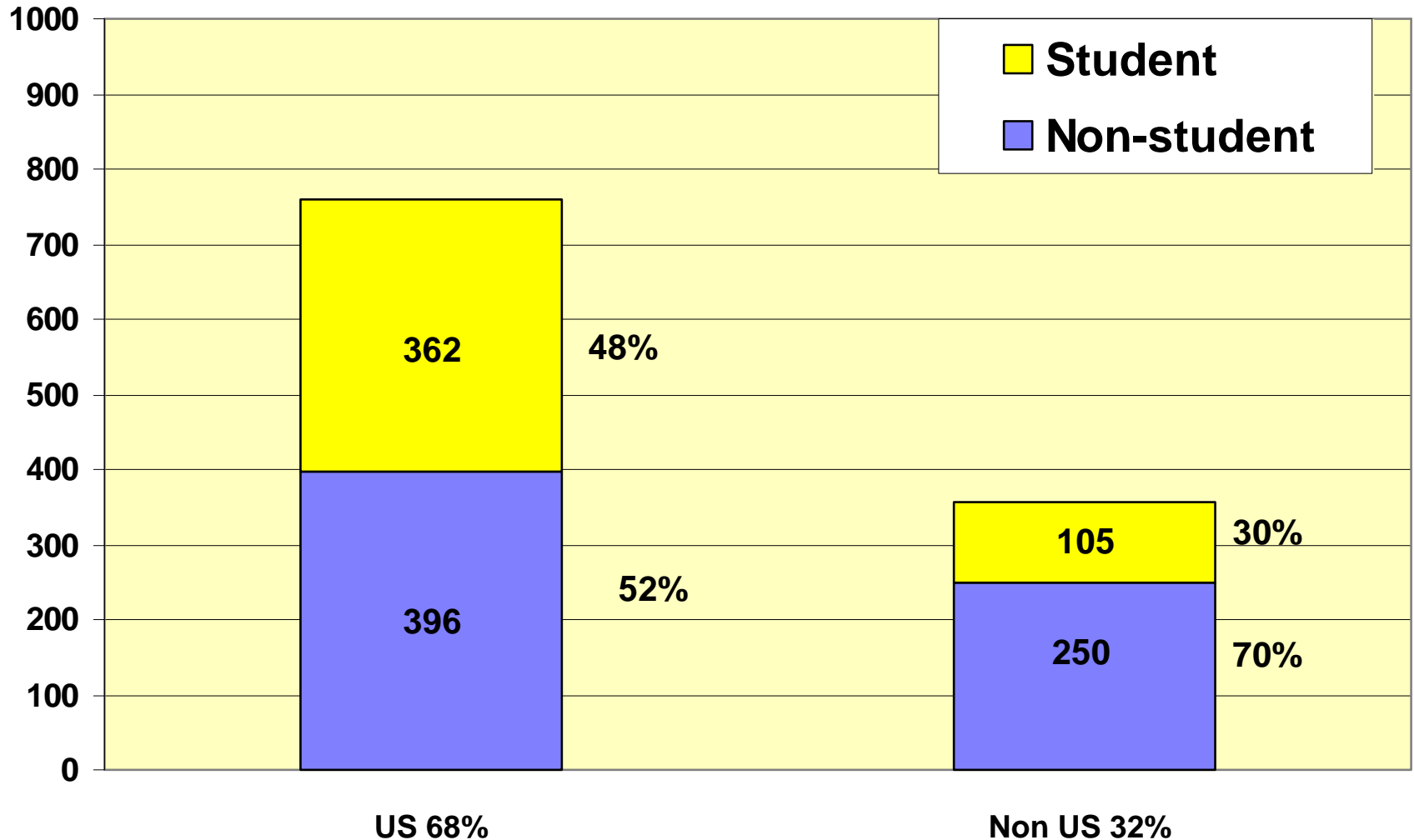




SIAG/DS MEMBERS BY GEOGRAPHY

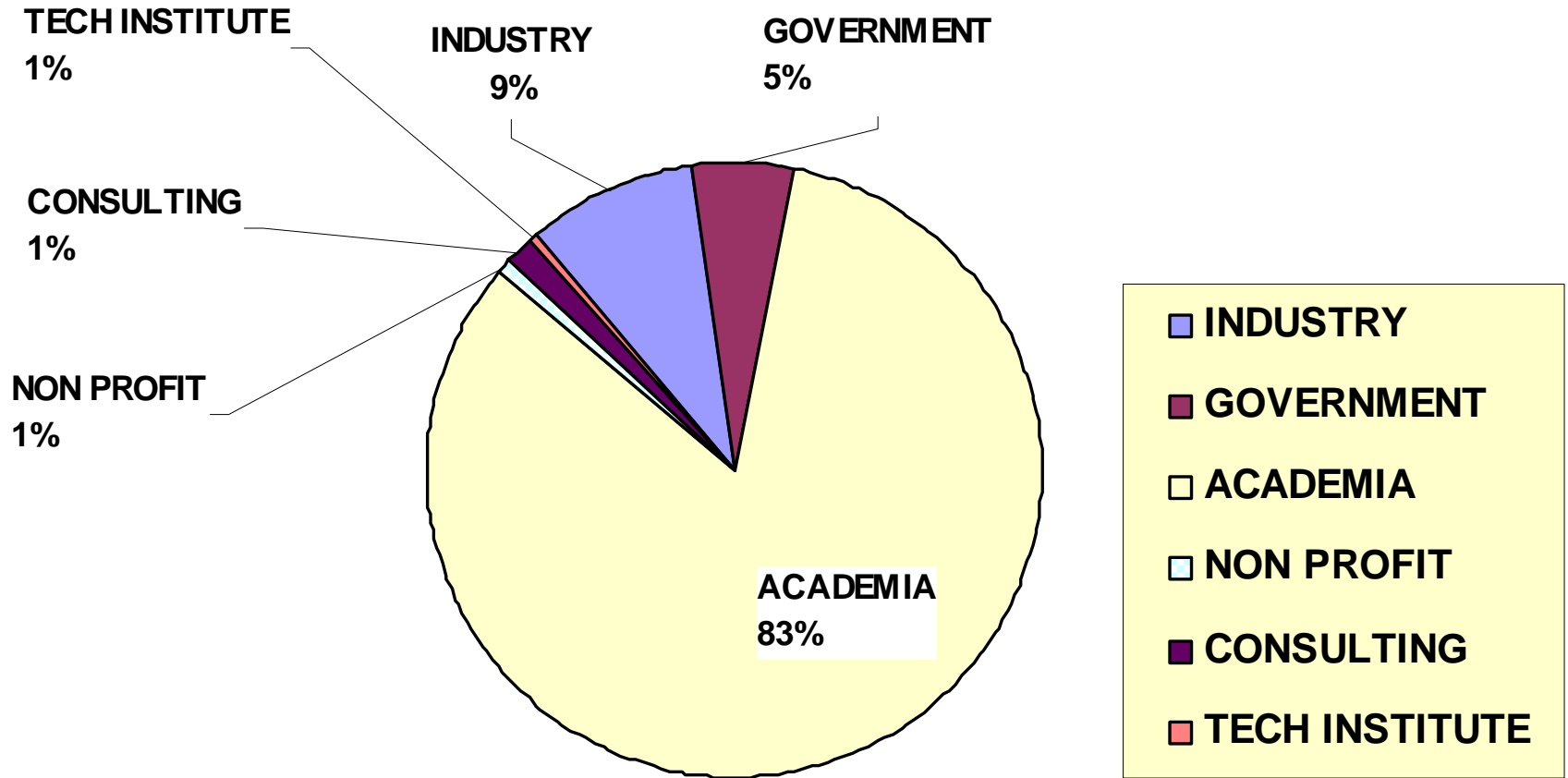
US 68%

Outside US 32%



SIAG MEMBERS BY EMPLOYER TYPE

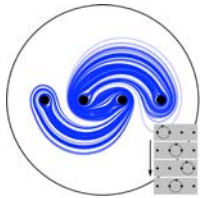
not including students



Dynamical Systems Magazine: Current Issue



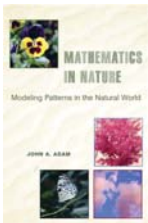
Opinion piece on social dynamics
Don Saari



Topological methods for fluids
Thiffeault et.al



Conference in honor of George Sell



Book review by Björn Sandstede

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ACTIVITY GROUPS >

Dynamical Systems

The SIAM Activity Group on Dynamical Systems provides a forum for the exchange of ideas and information between mathematicians and applied scientists whose work involves dynamical systems. The goal of this group is to facilitate the development and application of new theory and methods of dynamical systems. The techniques in this area are making major contributions in many areas, including biology, nonlinear optics, fluids, chemistry, and mechanics. This activity group supports the web portal DSWeb, sponsors special sessions at SIAM meetings, organizes a biennial conference, and awards biennial prizes—the [Jürgen Moser Lecture](#) and the [J. D. Crawford Prize](#). The activity group also sponsors the [DSWeb Student Competition](#) for tutorials on dynamical systems and its applications written by graduate and undergraduate students and recent graduates. Members of SIAG/DS receive a complimentary subscription to the all-electronic, multimedia [SIAM Journal on Applied Dynamical Systems](#).

- Chair: [Mary Lou Zeeman](#) (1/1/08 - 12/31/09)
- Vice Chair: [Arjen Doelman](#) (1/1/08 - 12/31/09)
- Program Director: [Jeffrey Moehlis](#) (1/1/08 - 12/31/09)
- Secretary and DSWeb Magazine Editor: [Evelyn Sander](#) (1/1/08 - 12/31/09)
- DSWeb Portal Editor: [Martin Wechselberger](#) (1/1/08 - 12/31/09)

Advisory Board:

- Christopher Jones (1/1/08 - 12/31/09)
- Bernd Krauskopf (1/1/08 - 12/31/09)
- Konstantin Mischaikow (1/1/08 - 12/31/09)
- Mary Pugh (1/1/08 - 12/31/09)
- Harry Swinney (1/1/08 - 12/31/09)



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Dynamical Systems SIAG Links

[Rules of Procedure for SIAG
on Dynamical Systems](#)
[Dynamical Systems Website](#)
[SIAM Conference on
Applications of Dynamical
Systems](#)
[SIAG/DS Archive](#)
[To send message to SIAG/DS
electronic mailing list](#)

Also See

[SIAM Journal on Applied
Dynamical Systems](#)
[Jürgen Moser Lecture](#)
[John David Crawford Prize](#)
[DSWeb Competition for
Graduate Students](#)
[DS07 Photo Gallery](#)
[Emerging Topics in Dynamical
Systems and Partial Differential
Equations](#)

Dynamical Systems Magazine

Table of contents for April, 2009

Dynamical economics and cat's cradle with fluids

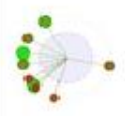
- [April, 2009](#)
- [Dynamical economics and cat's cradle with fluids](#)
- [January, 2009](#)
- [Yulij Il'yashenko's mathematics: Moscow and Ithaca](#)
- [October, 2008](#)
- [Dynamics at the SIAM Annual Meeting](#)

New on DSWeb



- [Professional Opportunities in Dynamical Systems](#)
- [Conferences and Workshops on Dynamical Systems](#)

For questions or help with uploading your conferences, workshops, or job vacancies, please contact the [section-chief-editor](#).



[Latest addition to the DSWeb Tutorials Section](#)

Geometry of turbulence in wall-bounded shear flows: a stroll through 61,506 dimensions, by John F. Gibson, Predrag Cvitanović, Jonathan Halcrow, Fabian Waleffe, and Divakar Viswanath

This tutorial is a tour of moderately turbulent fluids flowing across planes and down pipes. Movies of simulations and experiments are shown side-by-side. The key ideas are illustrated in the context of plane Couette flow. The tutorial does not assume prior knowledge of fluid mechanics.

Announcements

- [April, 2009](#)
- [New on DSWeb](#)
- [Announcements](#)
- [In The Spotlight](#)
- [Dynamical Systems Today](#)
- [Book Reviews](#)

About DSWeb

DSWeb provides up-to-date information on dynamical systems and its applications. It promotes the discipline of dynamical systems and fosters communication among all those interested in the field. Please enjoy what you find and contribute to making DSWeb even better!

The DSWeb Editor-in-Chief is [Martin Wechselberger](#), [University of Sydney](#), Australia.

DSWeb is a community service of [SIAM](#), developed with support from the [National Science Foundation](#).

SIAM Activity Group on Dynamical Systems
[Activity Group Officers](#)
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Dynamical Systems Magazine
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About DSWeb: Announcements and User Guides
[General Announcements](#)
[Popup Help Messages](#)
[User Guides](#)

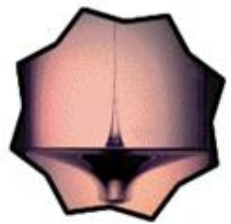
About the Dynamical Systems Profession

[Conference Announcements](#)
[List of Journals](#)
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Picture Gallery
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Tutorials
[Dynamical Systems Tutorials](#)

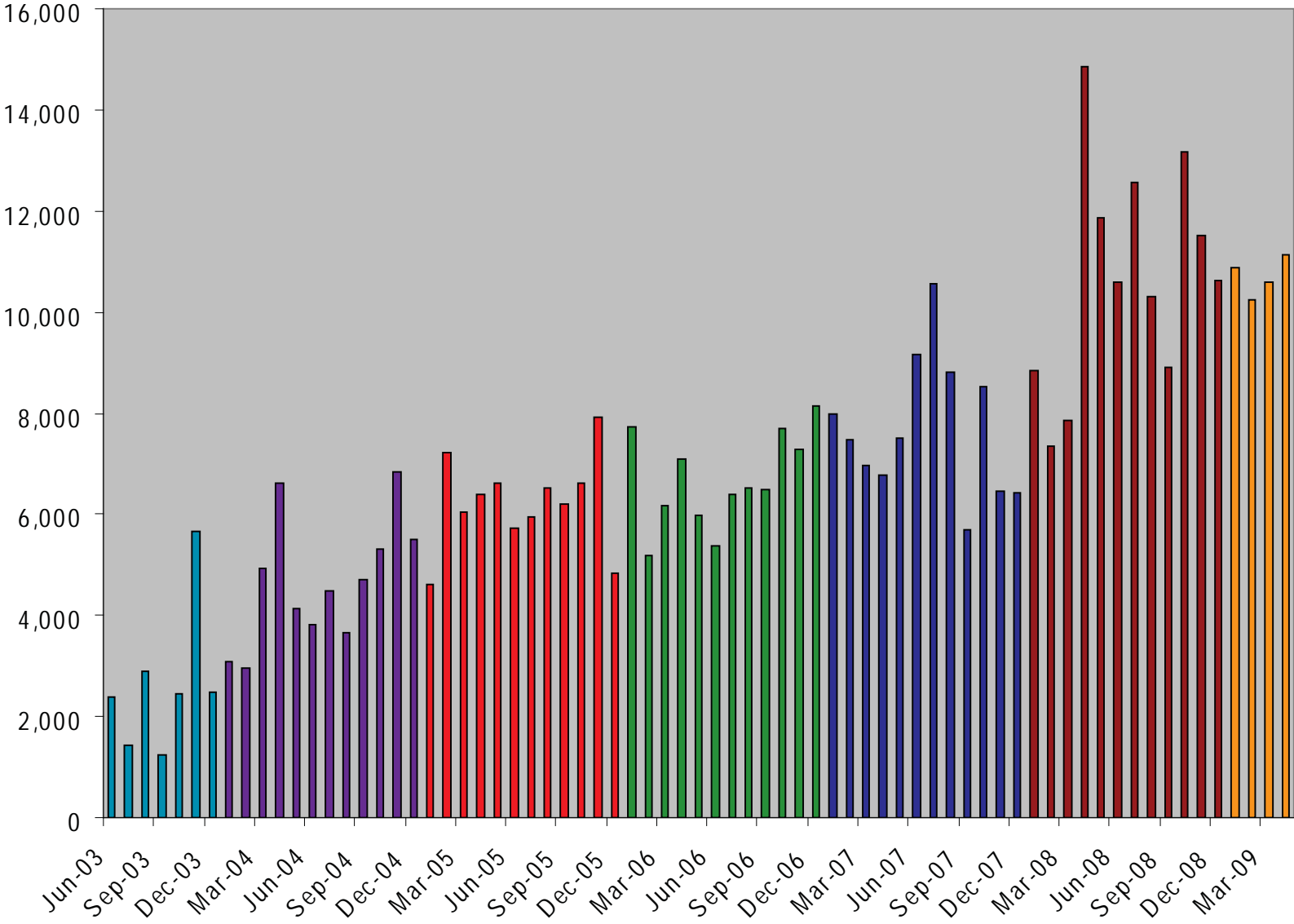
From The Gallery



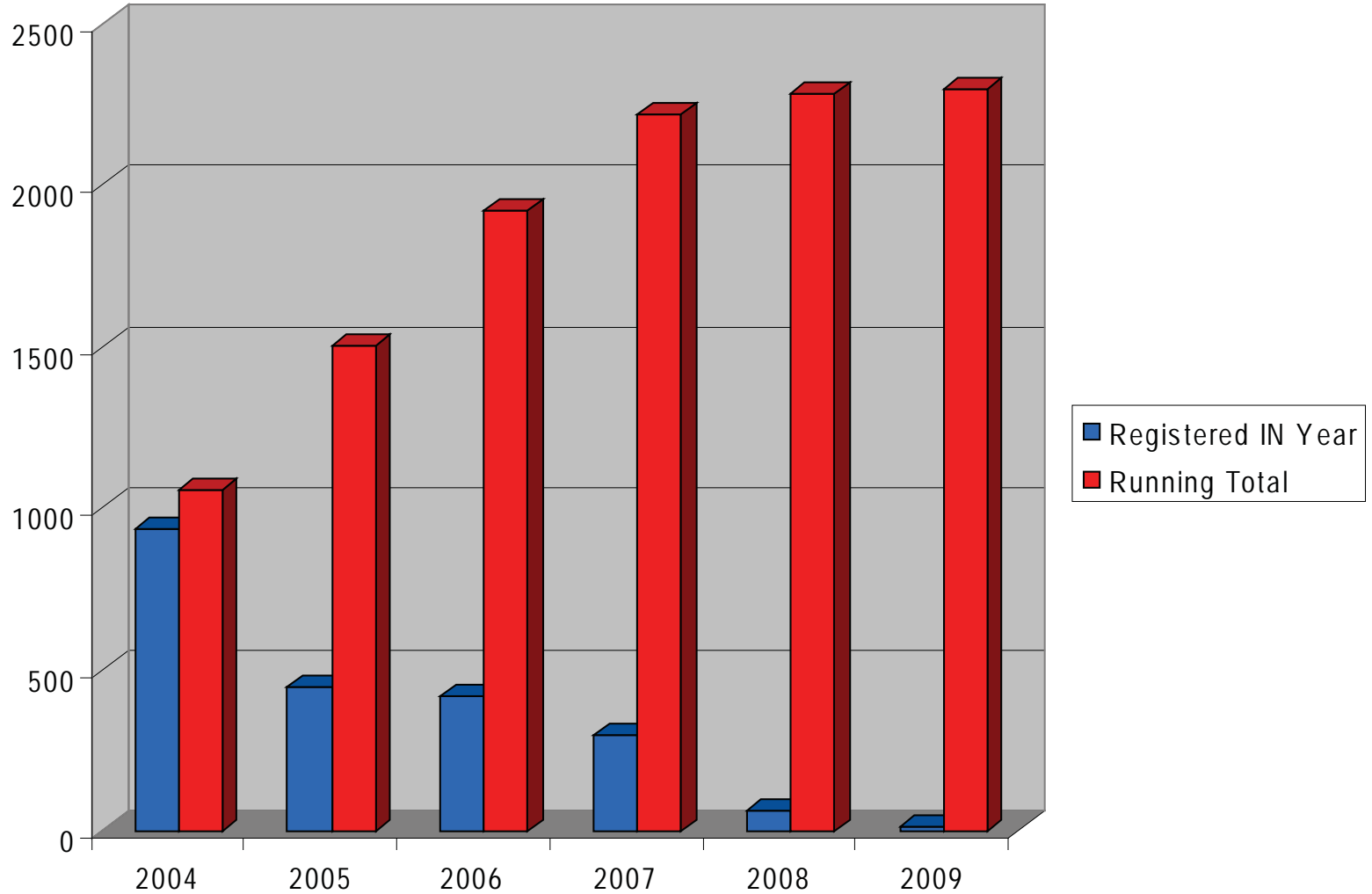
Register: You can browse DSWeb without registration. The new DSWeb Magazine issue is announced every three months by email to registered users only.

Login: SIAM encourages submissions to DSWeb. You must use your username and password if you want to submit content to DSWeb. Submissions are reviewed by the editorial board before they are posted.

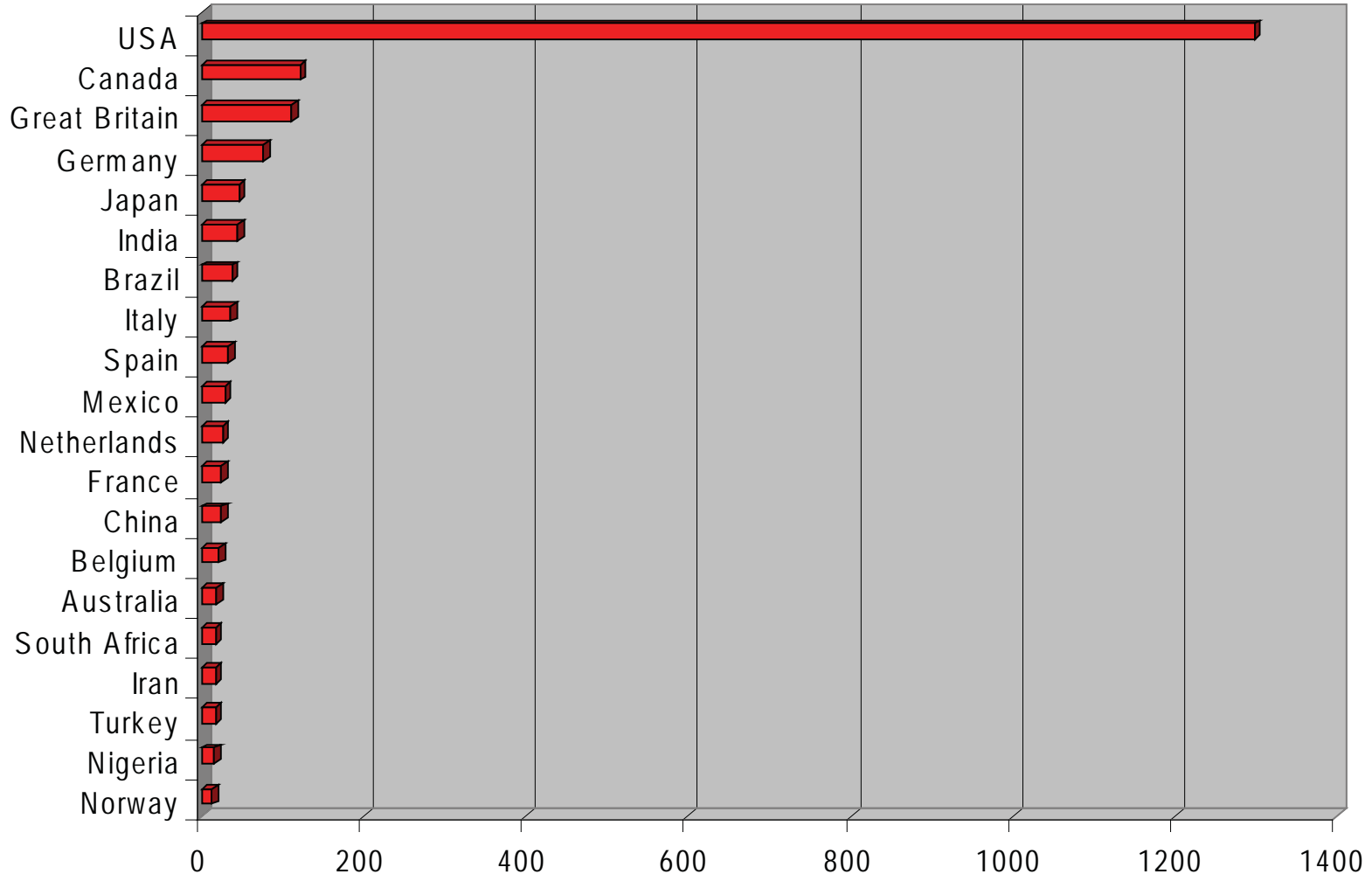
DSWeb Usage Trend by Month



DSWeb Registered Users



DSWeb Top 20 Represented Countries (Out of 84 Total)



A New Way to Communicate and Visualize Dynamics

SIAM Journal on Applied Dynamical Systems



siam®

<http://www.siam.org/journals/siads.php>

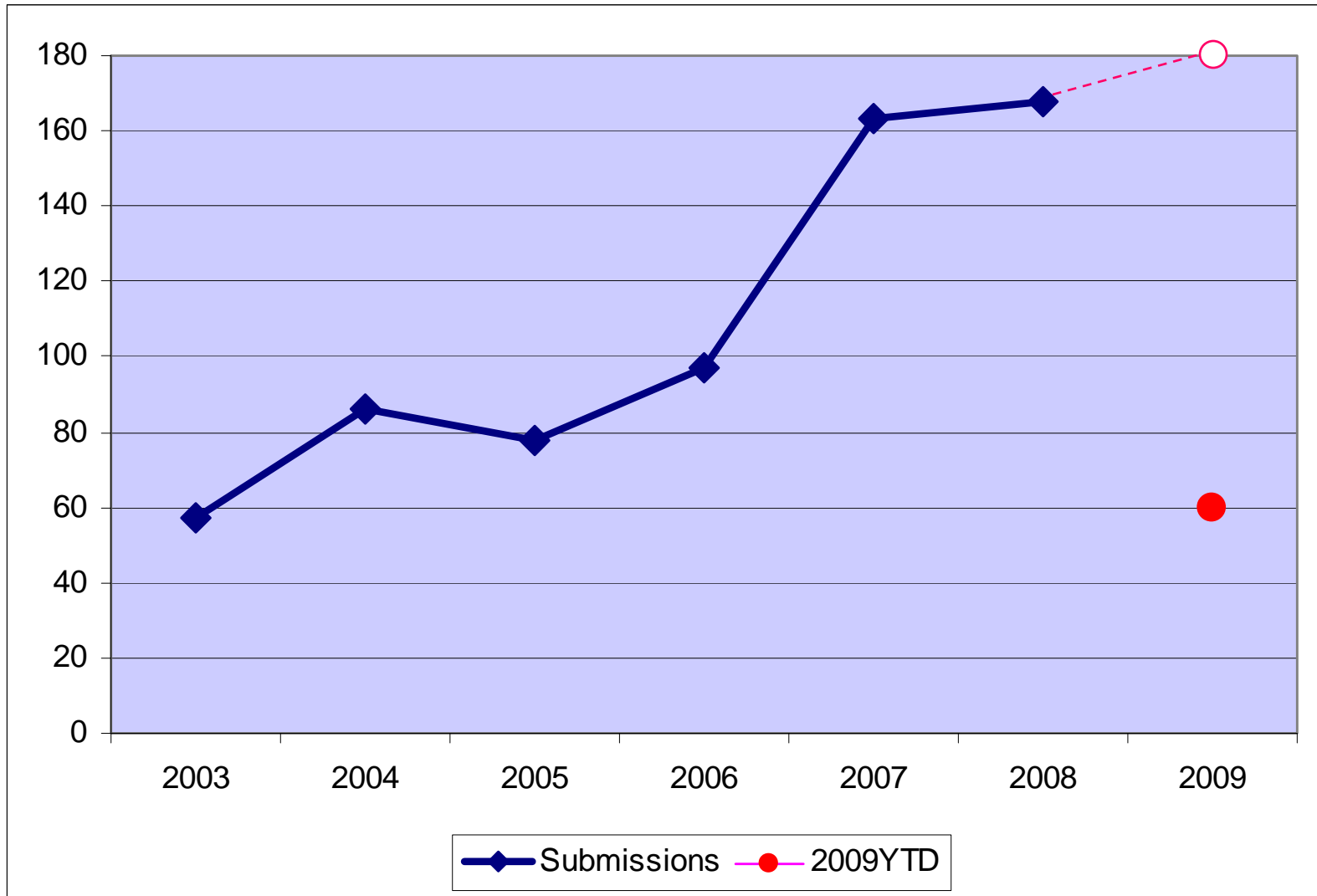


Impact Factor: **1.473** - *SIADS* is ranked **16th** out of **165** titles in category by the ISI 2007 Journal Citation Reports- Science Edition

	2007		2006		2005		2004		2003	
Journal	Factor	Rank	Factor	Rank	Factor	Rank	Factor	Rank	Factor	Rank
SIREV	2.455	3 of 165	2.667	3 of 150	7.213	1 of 151	6.118	1 of 162	3.529	1 of 153
SISC	1.784	8 of 165	1.824	6 of 150	1.509	12 of 151	1.231	16 of 162	1.379	14 of 153
SIOPT	1.554	14 of 165	1.211	26 of 150	1.238	20 of 151	1.213	17 of 162	1.757	6 of 153
SIADS	1.473	16 of 165	1.703	10 of 150	2.159	5 of 151	N/A	N/A	N/A	N/A
SINUM	1.47	17 of 165	1.335	17 of 150	1.392	16 of 151	1.106	22 of 162	1.076	25 of 153
SICOMP	1.31	23 of 165	1.361	16 of 150	1.195	22 of 151	1.306	14 of 162	1.632	8 of 153
SICON	1.288	25 of 165	1.263	24 of 150	1.154	25 of 151	1.048	23 of 162	1.296	16 of 153
SIMA	1.119	33 of 165	1.134	34 of 150	1.059	31 of 151	0.966	30 of 162	1.031	31 of 153
SIAP	1.026	42 of 165	1.425	14 of 150	1.12	29 of 151	1.89	19 of 162	1.437	13 of 153
SIMAX	0.984	48 of 165	1.798	8 of 150	1.148	26 of 151	0.727	57 of 162	0.913	42 of 153
SIDMA	0.674	88 of 165	0.518	108 of 150	0.885	47 of 151	0.639	69 of 162	0.725	58 of 153

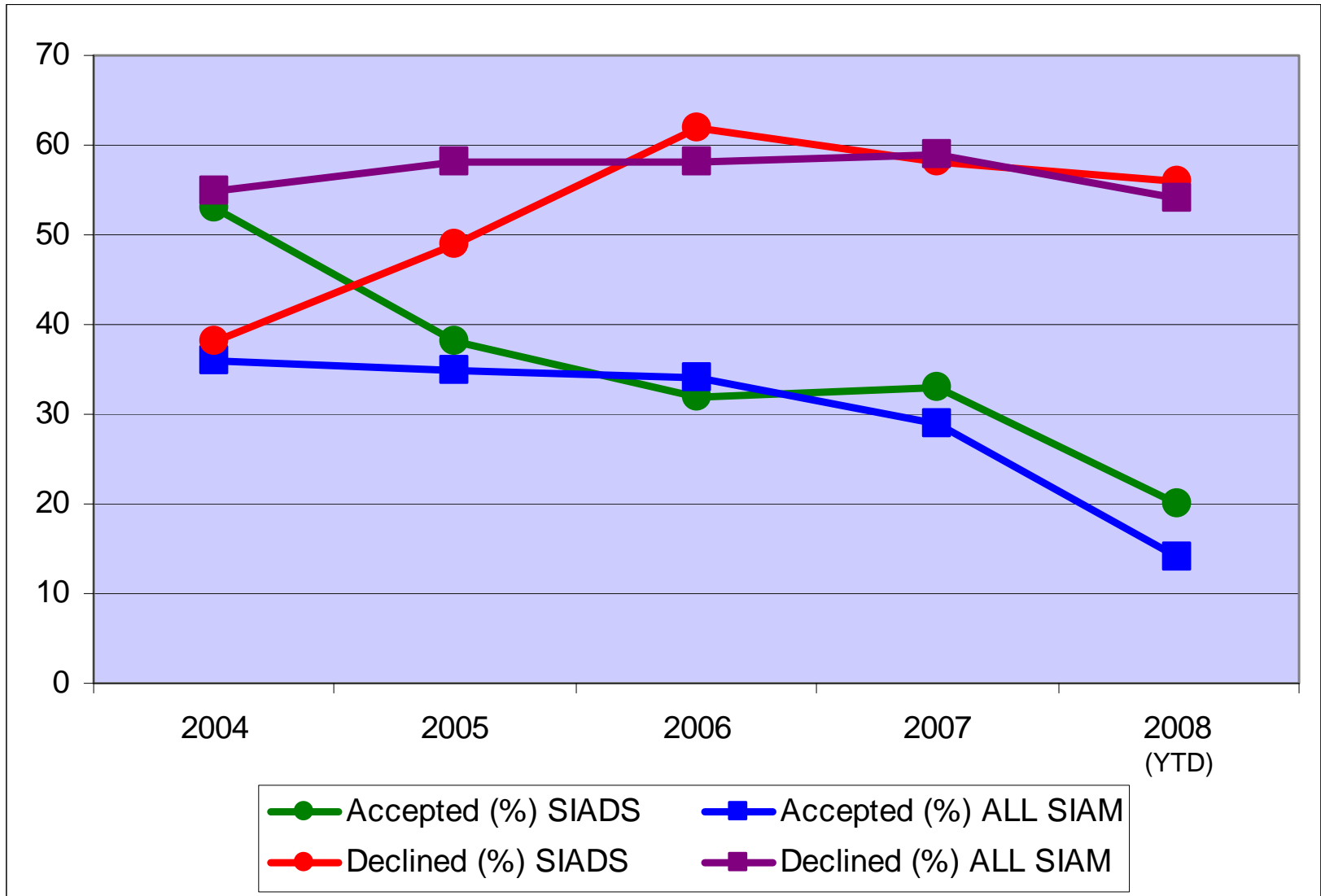
[Note: MMS falls in a different category, Mathematics, Interdisciplinary Applications, and ranks 6th of 74 with an impact factor of 2.037.]

SIADS Submissions



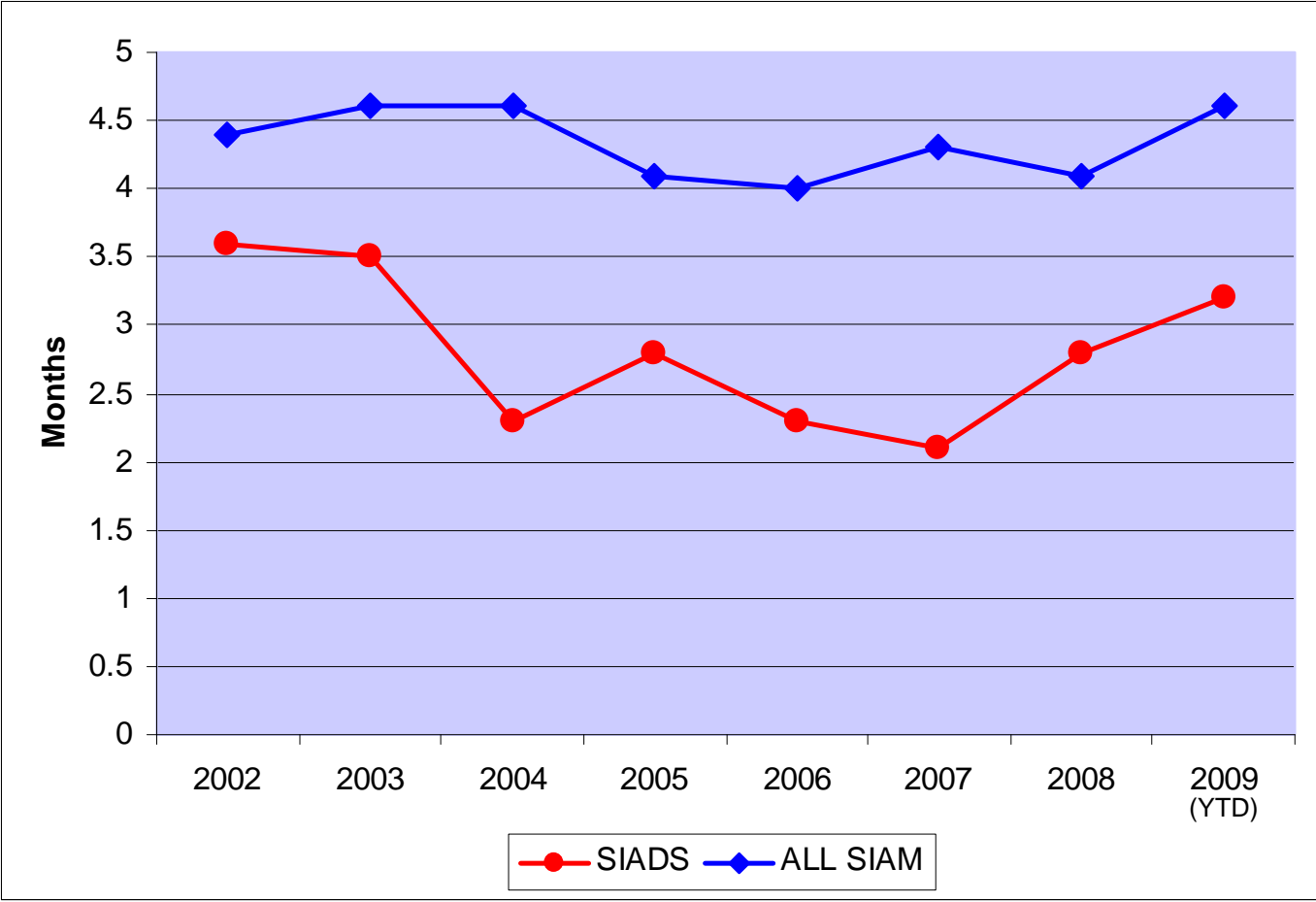
SIADS

Percentages Accepted and Declined



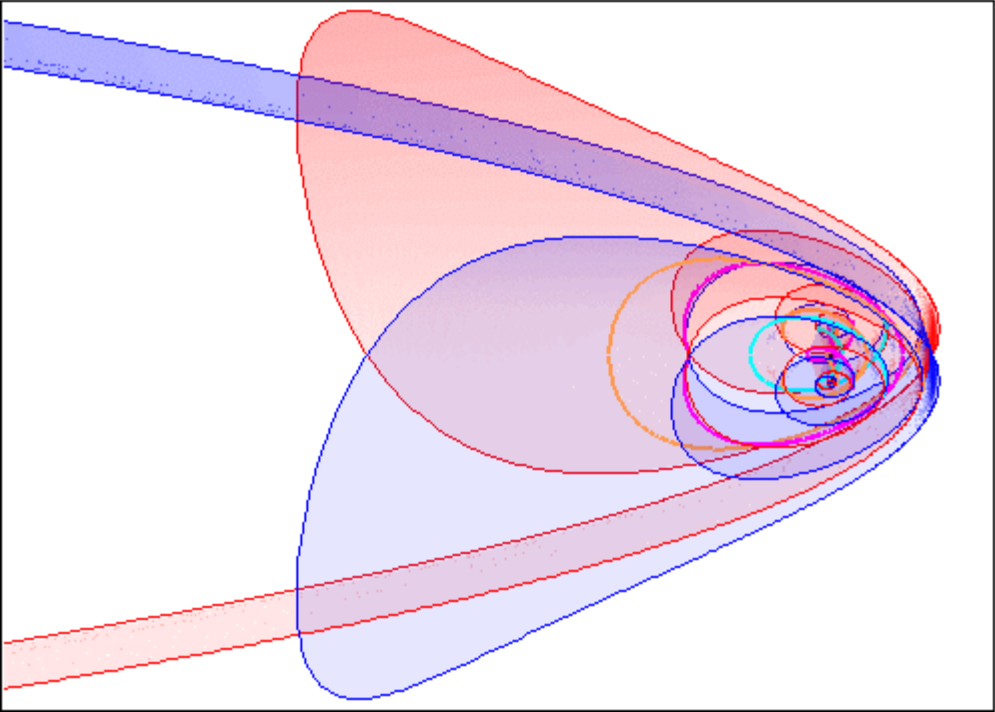
SIADS

Median Time for First Review Cycle



2009 Median Time is year to date

Desroches, Krauskopf & Osinga, SIADS 7-4 (2008), pp. 1131-1162



Submit Today

<http://siads.siam.org/>

www.siam.org

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Benefits of SIAM Membership

- *SIAM News*
- *SIAM Review*
- 80%-95% journal discount
- 30% book discount
- 20%-30% conference discount
- Participate in SIAM governance
- Join SIAM Activity Groups
- Nominate 2 students for free membership
- CML - combined membership directory

SIAG/DS SHORT BUSINESS



SIAG Charter renewal
- Helps define direction of SIAG

SIAG ELECTIONS 2009

You can suggest candidates for officers and advisory board - but act fast!

Nominating Committee:

Chris Jones

Arjen Doelman

John Guckenheimer

Tasso Kaper

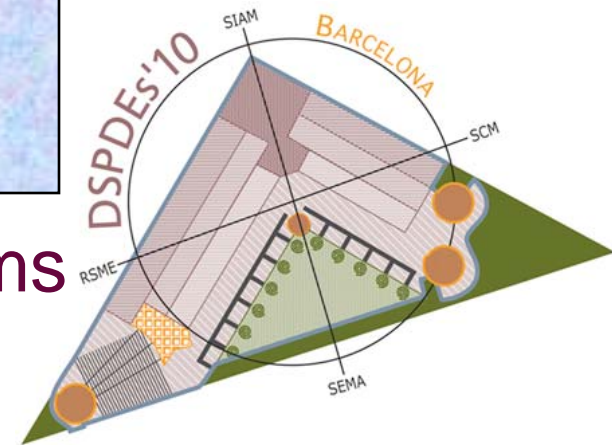
Mary Silber

SIAG/DS CONFERENCES

- DS11 at Snowbird
May 22-26, 2011
- DS13 at Snowbird
- **DS15 Continue at Snowbird?**
May 17-21, 2015

DSPDEs'10, Barcelona, Spain
May 31 - June 4, 2010

Emerging Topics in Dynamical Systems
and Partial Differential Equations



Joint Conference of:

SIAG - DS

SIAG - Analysis of PDEs

RSME - Real Sociedad Matemática Española

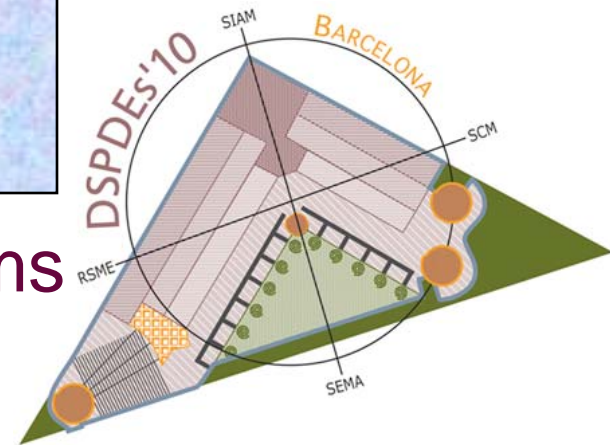
SCM - Societat Catalana de Matemàtiques

SEMA – Soc. Española de Matemática Aplicada

Deadline for MiniSymp. Proposals: October 31, 09.

DSPDEs'10, Barcelona, Spain

May 31 - June 4, 2010



Emerging Topics in Dynamical Systems and Partial Differential Equations

Plenary Speakers:

Dwight Barkley,
Andrea Bertozzi,
Xavier Cabre,
Amadeu Delshams,
Jean Dolbeault,
Rosa Donat,
Lawrence Craig Evans,
Marco Fontelos,
Yuri Latushkin

Amy Novick-Cohen
Jesús Sanz-Serna
Arnd Scheel
Mary Silber
Andrew Stuart
José Valero
Alexis Vasseur
Cédric Villani
Gene Wayne

Deadline for MiniSymp. Proposals: October 31, 09.

MORE CONFERENCES

- Joint Math Meetings
 - 2010: San Francisco, Jan 13-16
 - 2011: New Orleans, Jan 5-8

Propose a MiniSymp – contact MLZ
- ICIAM (Internat. Congress on Ind. & App Math)
Vancouver, BC. July 18 - 22, 2011

Propose a MiniSymp, deadline Aug 2010

Or SIAG-DS track of Minis – contact Arjen or MLZ
- AN12 (Location TBA):

Propose a SIAG-DS track of Minis – Linda Thiel at
SIAM

CLIMATE MATH WEB PORTAL

NSF-SIAM

- Intro to open problems
- Intro to models w/ MATLAB code
- Intro to state-of-art, w/ annotated bibliographies
- Data archives explained
- Educational materials
- Calendar of events
- Job postings

Ideas? Write an Intro! Suggest an author...

STORY IDEAS FOR BROAD AUDIENCE

Have you seen a great talk recently?
Been to a great meeting?
Got a great result?

DSWeb Magazine: Ideas to Evelyn Sander

SIAM News: Ideas to Gail Corbett at SIAM

Why Do Math?: Ideas to Marty Golubitsky

Same story may be good for all three 😊



SUGGESTIONS?

- Possible Other Activities?
- Other Business?

SIAG/DS CONTACTS



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- Evelyn Sander: sander@math.gmu.edu
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moehlis@engineering.ucsb.edu
- Martin Wechselberger:
wm@maths.usyd.edu.au
- Tasso Kaper: tasso@math.bu.edu