

## **Minutes of the ACM SIGSIM Business Meeting**

**2015 Winter Simulation Conference**

**Huntington Beach, CA, USA**

**December 8, 2015; 5:30 p.m. – 6:40 p.m.**

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The meeting was called to order at 5:30 p.m. by Andreas Tolk, Secretary/Treasurer. Paul Fishwick, Chair, and Margaret Loper, Vice Chair, were not present. Andreas Tolk conducted the meeting.

### 1. Welcome, SIGSIM mission, and Agenda (Tolk)

The agenda presented during the business meeting is attached.

### 2. Upcoming Election SIGSIM Officers 2016 – 2018 (Mustafee)

The slides presented during the business meeting are attached.

The candidates present - Denis Gracanin, Kara A. Olson, and Andreas Tolk - were introduced.

### 3. Ph.D. Colloquium Status including SIGSIM Winner (D'Ambrogio)

The slides presented during the business meeting are attached.

Mohammad Dehghanimohammadabadi was present to accept the award.

Andreas Tolk mentioned that a position is now open on the Ph.D. Colloquium Committee and strongly encouraged qualified applicants.

### 4. SIGSIM Distinguished Contributions Award (Wilson)

The slides presented during the business meeting are attached.

Osman Balci was present to accept the award. Jim Wilson emphasized Osman's dedication to various ACM SIGSIM related activities, in particular his support of the ACM SIGSIM Knowledge Repository and his contribution as member of various editorial boards. Osman thanked the committee and thanked especially his mentor Bob Sargent.

### 5. TOMACS (Transactions on Modeling and Computer Simulation) Report (Uhrmacher)

The slides presented during the business meeting are attached. One of the main points of the presentation was that TOMACS is now introducing a new paper category with a "reproducibility" seal.

Simon Taylor suggested SIGSIM consider establishing an open access data repository: data sets could be assigned DOIs (digital object identifiers), improving accessing as well as referencing these data.

### 6. JOS (Journal of Simulation) Report (Taylor)

No slides were presented.

Approximately 210 papers per year are submitted, approximately 25 per year are accepted. Three special issues are forthcoming, approximately one per year. Currently, once accepted, the wait is about a year to print but articles are referenceable immediately upon acceptance.

The five-year impact factor of TOMACS is 1.09; the five-year impact of JOS is 0.87.

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#### 7. SIGSIM Website and MSKR (Modeling and Simulation Knowledge Repository) (Balci)

No slides were presented, but Osman presented the MSKR online: <http://www.acm-sigsim-mskr.org/>

The current web site was demonstrated. Osman Balci especially encouraged submissions of courseware and multimedia papers. Content is continuing to be uploaded and improved; contact Balci for inclusion.

#### 8. SIGSIM Social Media Initiatives (Tufarolo)

The slides presented during the business meeting are attached.

#### 9. SIGSIM Digest (Fishwick, presented by Tolk)

The slide presented during the business meeting is attached.

#### 10. Budget and Finances (Tolk)

The slides presented during the business meeting are attached.

Andreas Tolk qualified the data presented. Expenses increased notably in fiscal year 2013 due to the new student travel funding. Digital library income decreased notably in fiscal year 2010 in part due to new open access to Winter Simulation Conference papers; recently, income has increased due to pre-print availability of TOMACS and other articles.

Simon Taylor suggested SIGSIM spend more rather than keep such a high reserve. Ernie Page pointed out that while the reserve may seem high, the amount is very reasonable considering SIGSIM is currently liable to the Winter Simulation Conference through 2019 at a level very close to the current reserve.

#### 11. SIGSIM-PADS conference 2015 and 2016 (Taylor/Fujimoto)

The SIGSIM PADS 2015 conference, held in London, had 54 presenters and had a profit of approximately \$10,000. A stated goal of the conference was to keep the number of presenters at or above 50, which also seems likely in the foreseeable future.

The PADS 2016 slides presented during the business meeting are attached. Richard Fujimoto thanked Osman Balci for his quick updates to the web site.

#### 12. Simulation Archives (Sargent)

The slide presented during the business meeting is attached.

The Archive is hoping to make the \$100,000 endowment level, as this is the next level for the library. The Archive is looked at as a model by the library.

Simon Taylor motioned that SIGSIM continue its endowment to the Archive at the current level of \$5,000; the motion was seconded by Andreas Tolk and approved with a quorum. Bob Sargent thanked SIGSIM for their past and continued support on behalf of the Archive.

#### 13. SIGSIM Student Travel Awards (Bell, presented by Tolk)

The slides presented during the business meeting are attached.

#### 14. General Discussion and New Business (Tolk)

No slides were presented.

Andreas Tolk discussed that ACM SIGSIM shall nominate the General Chair for the 2021 Winter Simulation Conference and encouraged applicants' nomination to the ACM SIGSIM representatives on the WSC Advisory Board: Dave Nicol and Andreas Tolk.

Simon Taylor suggested that perhaps some materials of the OR Society (Operational Research Society, professional society, England) could be added to the M&S Knowledge Repository, and the suggestion was well received.

Simon Taylor suggested that SIGSIM undertake an initiative where it helps sponsor small, specialized conferences put on by local university chapters; SIGSIM would benefit through increased positive publicity, being perceived as more personal, as well as being more dynamic. Andreas Tolk requested more concrete details before moving forward with said initiative. Taylor agreed to write a descriptive proposal and forward it to SIGSIM as appropriate.

It was recommended to evaluate if the ACM meeting can be moved to 5:00 p.m and closed by 6:30 p.m., so that interested members can fully attend both the SIGSIM Business Meeting and the INFORMS Simulation Society Business Meeting. It was discussed that a 5 p.m. start time may conflict with the last session of the Winter Simulation Conference. No decision was made.

With no further business cited, the meeting closed at 6:36 p.m.

*Minutes taken by Kara Olson  
December 16, 2015*



**SIGSIM**

*ACM SIG on Simulation and Modeling*

Membership Meeting 2015  
Winter Simulation Conference  
December 8, 2015

# Agenda

1. Welcome, SIGSIM mission, and Agenda (Tolk)
2. Upcoming Election SIGSIM Officers 2016 – 2018 ([Mustafee](#))
3. PhD Colloquium Status incl. SIGSIM Winner ([D'Ambrogio](#))
4. SIGSIM Distinguished Contributions Award ([Wilson](#))
5. TOMACS Report ([Uhrmacher](#))
6. JOS Report (Taylor)
7. SIGSIM Website and MSKR ([Balci](#))
8. SIGSIM Social Media Initiatives ([Tufarolo](#))
9. SIGSIM Digest ([Tolk](#))
10. Budget and Finances ([Tolk](#))
11. SIGSIM-PADS conference 2015 and 2016 ([Taylor/Fujimoto](#))
12. Simulation Archives ([Sargent](#))
13. SIGSIM Student Travel Awards ([Bell](#))
14. General Discussion and New Business (Tolk)



ACM SIG on Simulation and Modeling

Founded in April 1969, Association for Computing Machinery (ACM) Special Interest Group (SIG) on Simulation and Modeling (SIM) aims to **promote** and **disseminate** the **advancement of high quality state-of-the-art** in Modeling and Simulation (M&S) across a broad range of **interests** and **disciplines**.

<i>Term</i>	<i>Chairman</i>	<i>Vice Chairman</i>	<i>Secretary/ Treasurer</i>
2012-2016	Paul Fishwick	Margaret Loper	Andreas Tolk

# Upcoming Election SIGSIM Officers 2016 – 2018

The term will be *1 July 2016 – 30 June 2018*.

**Nav Mustafee**

*Nominating Committee Chair*

# Secretary and Treasurer

**Denis Gracanin**

Associate Professor, Virginia Tech  
Computer Science



**Kara A. Olson**

PhD, Old Dominion University Computer Science



**Kara A. Olson**

# Vice-Chair

## **Andreas Tolk**

Mitre (Computer Science Principal)

Professor, Old Dominion University

ACM SIGSIM (Secretary and Treasurer)



## **George Riley**

Professor, Georgia Tech

School of Electrical and Computer Engineering

Associate Chair for Graduate Affairs  
Computer Systems and Software



# Chair

**Margaret Loper**

Chief Scientist, Georgia Tech  
Information & Communications  
Laboratory



SIG Governing Board (SGB) Executive Committee (EC) approval received on 5<sup>th</sup>  
December 2015

# SIG Elections Schedule

**25 September 2015**

Nominating Committee Chair Appointed.

**1 December 2015**

Candidate slates submitted to ACM Headquarters;  
Candidate slates will be announced via email to the SIG members; a postcard announcing the slate and their right to petition will be sent via post mail to those SIG members who do not have an email address listed in their member record.

***Candidate Submission Form***

|

Slates should also be published in the SIG Newsletters.

**11 January 2016\***

Final candidate slate submission date for those SIGs who missed the 1<sup>st</sup> December submission deadline.

**11 February 2016**

All candidate bios and statements submitted (staggered depending upon submission from Nominating Committee).

**15 March 2016**

Notification of intent to petition must be submitted to the Office of Policy & Administration.

**31 March 2016**

All petitions returned to ACM Headquarters.

**4 April 2016**

Election site goes live  
SIG members are sent an email notification with voting instructions

**20 May 2016**

All ballots due/ online election voting sites closed

**1 July 1 2016**

Election completed, all candidates notified of results by or before this date. Winners take office.

# WSC'15 PhD Colloquium

(Committee members: *E. Mazhari, M. Seck, A. D'Ambrogio, E. Lada*)

- Colloquium Format
  - Presentations: **19** final year students will give talks showcasing their work
  - Poster Session for open and interactive discussion
  - Final year students get conference fees reimbursed, 1 year society membership (I-Sim, ACM-SIGSIM)
- Keynote:
  - Title: ***The Impact of Big Data on M&S: Do We need to get “Big”?***
  - Speaker: **Dr. Simon Taylor** (Brunel University London, UK)
- Best Student Paper awards
  - Two \$200 awards, sponsored by I-Sim and ACM-SIGSIM
  - PhD Colloquium Committee members have reviewed all submissions
  - Final decision made on the day of colloquium, after presentations

# WSC'15 PhD Colloquium – Session 1

*(Driftwood - Sunday 2:15pm-3:45pm)*

- Modeling the Communications in an Emergency Plan with P-devs
  - *Cristina Ruiz-Martin (Carleton University)*
- An Agent Based Model of Spread of Competing Rumors through Online Interactions on Social Media
  - *Chaitanya Kaligotla (INSEAD)*
- Toward an Integrated Framework for the Simulation, Formal Analysis and Enactment of Discrete Events Systems Models
  - *Hamzat Olanrewaju Aliyu (Université Blaise Pascal, Clermont-Ferrand, France)*
- Towards a Framework for Educational Simulation in Management Science and Economics
  - *OANA MERKT (Brandenburg University of Technology)*
- A Comprehensive Study on New Conceptual Container Handling System
  - *Chenhao ZHOU (National University of Singapore)*
- Optimization Applied With Agent Based Modelling In The Context Of Urban Energy Planning
  - *Xiubei Ge (European Institute for Energy Research)*
- Structural Equation Modeling for Simulation Metamodeling
  - *Kai G. Mertens (Hamburg University of Technology)*
- Modeling and Simulating Fisheries Management
  - *Sigríður Sigurðardóttir (Matis/University of Iceland)*
- How do Competition and Collaboration Affect Supply Chain Performance? an Agent Based Modeling Approach
  - *Niniet Arvitrida (Loughborough University)*
- An Aspect-Oriented Approach to Large-Scale Urban Simulations
  - *Arthur Valadares (UCI)*

# WSC'15 PhD Colloquium – Session 2

*(Driftwood - Sunday 4:00pm-5:30pm)*

- A Model-based Approach to Multi-objective Optimization
  - *Joshua Hale (Georgia Institute of technology)*
- Estimation of Conditional Value-at-risk for Input Uncertainty with Budget Allocation
  - *Helin Zhu (Georgia Institute of Technology)*
- Improving A Hardwood Flooring Cutting System Through Simulation And Optimization
  - *Jean Wery (Universite Laval)*
- Application of Bayesian Simulation Framework in Quantitatively Measuring Presence of Competition in Living Species
  - *Sabyasachi Guharay (George Mason University & US Internal Revenue Service)*
- Using Percentile Matching to Simulate Labor Progression and the Effect of Labor Duration on Birth Complications
  - *Karen T. Hicklin (North Carolina State University)*
- An Additive Global and Local Gaussian Process Model for Large Data Sets
  - *Qun Meng (National University of Singapore)*
- Multi-objective Simulation Optimization on Finite Sets: Optimal Allocation via Scalarization
  - *Guy Feldman (Purdue University)*
- Green Simulation Designs for Repeated Experiments
  - *Mingbin Feng (Northwestern University)*
- Iterative Optimization-based Simulation (ios) with Deterministic and Stochastic Trigger Events in Simulated Time
  - *Mohammad Dehghanimohammadabadi (Western New England University)*

*WSC'15 PhD Colloquium*

ACM SIGSIM Award

**Mohammad  
Dehghanimohammadabadi**



**SIGSIM**

*ACM SIG on Simulation and Modeling*



# ACM SIGSIM

## Distinguished Contributions Award

ACM SIGSIM Distinguished Contributions Award recognizes individuals based on their overall contributions to the field of modeling and simulation, including technical innovations, publications, leadership, teaching, mentoring, and service to the community.

### Award Committee:

- James Wilson (Chair)
- Richard Fujimoto
- Ray Paul
- Roger Smith
- Adeline Uhrmacher



# Recipient of the 2015 ACM Distinguished Contribution Award

## **Osman Balci**

Professor of Computer Science

Director of Mobile/  
Cloud Software Engineering Lab

Department of Computer Science

638 McBryde Hall, MC 0106

Virginia Tech

Blacksburg, Virginia 24061, USA





## ACM Transactions on Modeling and Computer Simulation (TOMACS)

Is the primary source for research on all aspects of the systems modeling and computer simulation



### Statistics:

- Up to November around 100 papers submitted
- Acceptance rate around 20%
- Issues filled until end of 2016 (however due to online first the papers will be cited based on the time when they appeared in the ACM-DL which means 2015)



ACM Transactions on

# Modeling and Computer Simulation (TOMACS)

Is the primary source for research on all aspects of the systems modeling and computer simulation



## News:

- **ACM SIGSIM PADS and ACM Transactions on Modeling and Computer Simulation (TOMACS) agreed to link both premier outlets for Modeling and Simulation methodological research more tightly.** Each year a special issue based on significantly extended, selected papers of SIGSIM PADS will appear in TOMACS. In the opposite direction, authors who have an accepted paper presenting original work in TOMACS, will receive the possibility to present their work at a SIGSIM PADS conference.
- **TOMACS is establishing a new series called "State of the Art and Open Challenges" (MS:STAROC)** in modeling and simulation. Papers in this series will feature leading researchers who present their views concerning the state of knowledge in an area within the modeling and simulation discipline as well as important research challenges requiring further investigation.
- **TOMACS has been starting a reproducibility initiative** to improve the quality and reproducibility of modeling and simulation research. Authors are given the opportunity to take part in the reproducing computational results (RCR) activity: an independent reviewer will check whether all results presented in a paper can be reproduced.

# Reproducibility



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# SIGSIM Social Media Outlets

- Baby-boomer version: Email lists
  - SIGSIM: Open email list: public can subscribe
  - SIGSIM-members: ACM “maintains” a member-only list
- Current web site includes general links to:
  - Above open email list signup
  - Default social media sites: Twitter, Facebook, MySpace
  - SIGSIM-specific site: LinkedIn
- There also exists:
  - A Twitter “persona”: @sigsimSocial
  - A Facebook group SIGSIM (not well setup)
  - A Social media aggregation site: <http://sigsim-social.acm.org>
    - Need to add link from main site
    - Need to find interested parties to help populate / maintain

## Subscribe

Anyone can subscribe to the SIGSIM electronic mailing list to receive important information about upcoming M&S conferences, workshops, and symposiums; journal special issues on M&S; M&S events, activities, and meetings; and M&S funding opportunities.

[Click here to subscribe to the SIGSIM mailing list.](#)

# SIGSIM Social Media Website – Main / Social Hub

http://sigsim-social.acm.org/wp/

## SIGSIM Social Media

SIMULATION-RELATED SOCIAL MEDIA AGGREGATOR

Home Social Hub Collection Simulation Tweets Wintersim Tweets

### ACM SIGSIM Business Meeting Tuesday Evening at WSC

SIGSIM, WSC  
BY: SIGSIMSO\_WP | December 7 2015 12:34  
Become involved with ACM SIGSIM! Visit the SIGSIM business meeting Tuesday evening at WSC. #wintersim #sigsim SIGSIM Simulation Social Media Sharingby  
Read more Leave a comment

Posts to this Blog will cross-post to Facebook SIGSIM group, and to twitter

#### SIGSIM BLOGS

- Bacteria and Amino Acids December 8, 2015 paul.fishwick@utdallas.edu
- Massive Star Collapse December 2, 2015 paul.fishwick@utdallas.edu
- Storms on Jupiter December 1, 2015 paul.fishwick@utdallas.edu
- Climate Sensitivity to CO<sub>2</sub> Change November 30, 2015 paul.fishwick@utdallas.edu
- Life 555 Million Years Ago November 29, 2015 paul.fishwick@utdallas.edu

CATEGORIES  
SIGSIM (1)  
WSC (1)

Proudly powered by WordPress | Theme: Newsmin Designed by WPMole.

Blog posts here will cross –post to twitter (@sigsimSocial)  
Should post to LinkedIn and Facebook

http://sigsim-social.acm.org/wp/?page\_id=71

## SIGSIM Social Media

SIMULATION-RELATED SOCIAL MEDIA AGGREGATOR

Home Social Hub Collection Simulation Tweets Wintersim Tweets

### Social Hub Collection

BY: SIGSIMSO\_WP | December 8 2014 15:51  
A collection across: Twitter (#simulation);

POWERED BY TWINE SOCIAL

Gain Hands-On Simulation Center [ow.ly/VDKMo](http://ow.ly/VDKMo)

This social hub took less than 15 minutes to setup. Start building your own at TwineSocial.com  
[CREATE MY HUB](#) TwineSocial

**Sigsim**  
Follow on Facebook  
Be the first of your friends to like this.

Padraic Toolan  
Retweeted by Padraic Toolan

CAE Healthcare

John Connor  
Retweeted by John Connor

Slug Disco  
Empire of the Undergrowth is an #RTS build on top of a #simulation. [kck.st/1N2Gy00 #outu pic.twitter.com/4a0eXZCR1M](https://twitter.com/4a0eXZCR1M)

Posts to this Blog will cross-post to Facebook SIGSIM group, and to twitter

#### SIGSIM BLOGS

- Bacteria and Amino Acids December 8, 2015 paul.fishwick@utdallas.edu
- Massive Star Collapse December 2, 2015 paul.fishwick@utdallas.edu
- Storms on Jupiter December 1, 2015 paul.fishwick@utdallas.edu
- Climate Sensitivity to CO<sub>2</sub> Change November 30, 2015 paul.fishwick@utdallas.edu
- Life 555 Million Years Ago November 29, 2015 paul.fishwick@utdallas.edu

CATEGORIES  
SIGSIM (1)  
WSC (1)

This aggregates simulation-related posts from various sources.

Includes links (and tag lines) to other blog sites (needs to be better populated)

# SIGSIM Social Media Website – #simulation

The screenshot shows a web browser window displaying the SIGSIM Social Media website. The browser's address bar shows the URL [http://sigsim-social.acm.org/wp/?page\\_id=11](http://sigsim-social.acm.org/wp/?page_id=11). The website's main header reads "SIGSIM Social Media" and "SIMULATION-RELATED SOCIAL MEDIA AGGREGATOR". A navigation bar below the header includes links for "Home", "Social Hub Collection", "Simulation Tweets" (which is circled in red), and "Wintersim Tweets".

The main content area is titled "Simulation Tweets" and features a search bar with the text "#simulation tweets" highlighted in yellow. Below the search bar, a list of tweets is displayed:

- Juri Bendini** @PecoraNera1 (21m): 3rd-year Medical Students Gain Hands-On Experience at Patient #Simulation Center @WestVirginiaU #SimMan [ow.ly/VDKMo](http://ow.ly/VDKMo) [Show Media]
- Slug Disco** @SlugDisco (2h): Empires of the Undergrowth is an #RTS build on top of a #simulation. [kck.st/1NZGyOb](http://kck.st/1NZGyOb) #eotu [pic.twitter.com/4aOeXZCR1M](http://pic.twitter.com/4aOeXZCR1M) [Retweeted by John Connor] [Show Media]
- CAE Healthcare** @CAEHealthcare (1h): Free Webinar! Our #simulation center management & assessment tool for debriefing and more | [caehealthcare.com/eng/webinars/d...](http://caehealthcare.com/eng/webinars/d...) [pic.twitter.com/TieMM8Tj3](http://pic.twitter.com/TieMM8Tj3) [Retweeted by Padraic Toolan]
- CAE Healthcare** @CAEHealthcare (6h): Please visit @Leader\_DSO at @UAE\_ESEM to explore @CAEHealthcare healthcare in #simulation solutions! [pic.twitter.com/Mijmxm1p7G](http://pic.twitter.com/Mijmxm1p7G)

Below the tweets, there is a logo for "learningspace" with the word "Expand" underneath it.

On the right side of the page, there is a sidebar with the following sections:

- Posts to this Blog will cross-post to Facebook SIGSIM group, and to twitter
- SIGSIM BLOGS
  - Bacteria and Amino Acids December 8, 2015 [paul.fishwick@utdallas.edu](mailto:paul.fishwick@utdallas.edu)
  - Massive Star Collapse December 2, 2015 [paul.fishwick@utdallas.edu](mailto:paul.fishwick@utdallas.edu)
  - Storms on Jupiter December 1, 2015 [paul.fishwick@utdallas.edu](mailto:paul.fishwick@utdallas.edu)
  - Climate Sensitivity to CO2 Change November 30, 2015 [paul.fishwick@utdallas.edu](mailto:paul.fishwick@utdallas.edu)
  - Life 555 Million Years Ago November 29, 2015 [paul.fishwick@utdallas.edu](mailto:paul.fishwick@utdallas.edu)
- CATEGORIES
  - SIGSIM (1)
  - WSC (1)

# SIGSIM Social Media Website - #wintersim

The screenshot shows a web browser window displaying the SIGSIM Social Media website. The address bar shows the URL [http://sigsim-social.acm.org/wp/?page\\_id=2](http://sigsim-social.acm.org/wp/?page_id=2). The website has a blue header with the title "SIGSIM Social Media" and the subtitle "SIMULATION-RELATED SOCIAL MEDIA AGGREGATOR". A navigation menu includes "Home", "Social Hub Collection", "Simulation Tweets", and "Wintersim Tweets", with the latter highlighted by a red circle. The main content area is titled "Wintersim Tweets" and features a yellow highlight over the text "#wintersim tweets". Below this, a Twitter feed displays three tweets:

- Lachlan** @lollbirdsey, 27m: 001110010011... #wintersim
- Forio** @Forio, 31m: #Wintersim workshop - Learn about creating & publishing online simulations with Will Glass at 4:15 PM in Sunrise B! #wsc15
- Alexander** @ahuebl, 53m: presentation done. thx for the discussion #wintersim [pic.twitter.com/DEvhWCSiSd](http://pic.twitter.com/DEvhWCSiSd)

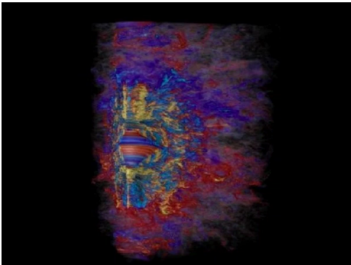
The right sidebar contains a notice: "Posts to this Blog will cross-post to Facebook SIGSIM group, and to twitter". Below this is a section for "SIGSIM BLOGS" with a list of articles:

- Bacteria and Amino Acids December 8, 2015 [paul.fishwick@utdallas.edu](mailto:paul.fishwick@utdallas.edu)
- Massive Star Collapse December 2, 2015 [paul.fishwick@utdallas.edu](mailto:paul.fishwick@utdallas.edu)
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- Life 555 Million Years Ago November 29, 2015 [paul.fishwick@utdallas.edu](mailto:paul.fishwick@utdallas.edu)

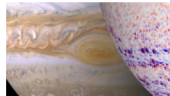
At the bottom, there is a "CATEGORIES" section listing "SIGSIM (1)" and "WSC (1)". The Windows taskbar at the bottom shows icons for Skype, Mail, Internet Explorer, Outlook, Excel, PowerPoint, and a globe icon.

# Need millennial help

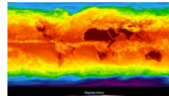
- After adding web-site link to social site
  - Need encouragement for people to participate
  - Blog needs posting, activity to be meaningful
  - Same with Twitter, LinkedIn, other accounts
- Challenges
  - Social media is a “personal” thing – not as much of a collected “group” thing
  - Media aggregation on the web site:
    - Scraping twitter keywords
    - Site Blog entries re-post as if from sigsimSocial account



Massive Star Collapse



STORMS ON JUPITER



CLIMATE SENSITIVITY TO CO2 CHANGE



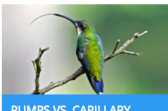
LIFE 555 MILLION YEARS AGO



THE MOON'S TILT



DINOSAUR EXTINCTION



PUMPS VS. CAPILLARY ACTION IN HUMMINGBIRD TONGUES



GENDER, ANGER & INFLUENCE



ARCTIC WARMING



"GOOGLE OF SIMULATION"

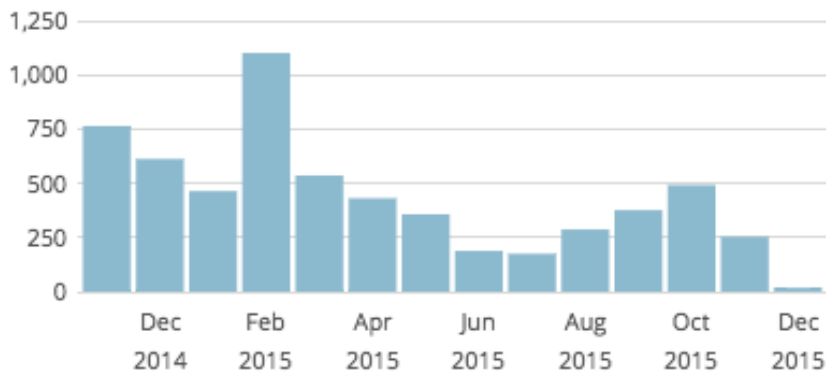


DIAGRAMS R US



[Configure](#)

## Site Stats



## Site Information:

- Blog Type: Picture/Redirect to article
- 166 Posts
- Views: 6,055 (as of Dec 6, 2015)
- Information taken from different M&S query-based feeds
- 58 Regular Email Subscribers
- Occasionally posted on SIGSIM Mailing list (~ 1900 emails)

# Budget and Finances

## ACM SIGSIM 2015

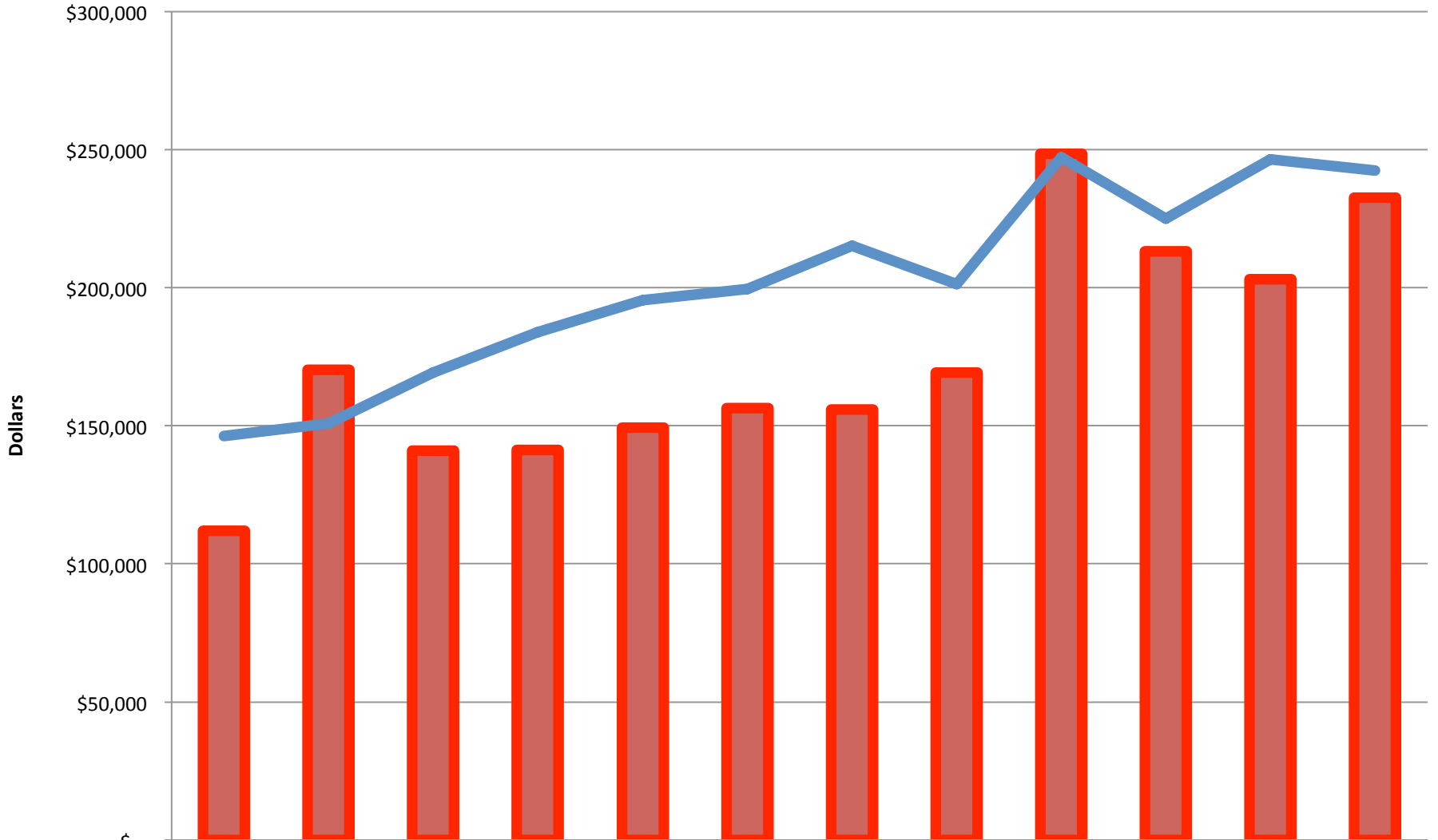
Dr. Andreas Tolk  
Secretary and Treasurer

Mrs. Wing Man Ho

# What are Allocations?

- Allocation covers portions of the general costs of ACM doing business such as general office support for SIGs and their conferences, accounting, finance support, and assistance with publications, membership, marketing, webpage etc.
- To cover overhead, SIG leaders implemented a formula based on a sliding scale, starting at 16% and decreasing by 0.8% for every \$125K of expenses.
  - SIGSIM spent \$174,194 and paid allocation of \$27,477 in FY15.
  - $\$125,000 * 16\% = \$20,000$
  - $\$49,194 * (16\% - 0.8\%) = \$7,477$
  - Total Allocation:  $\$20,000 + \$7,477 = \$27,477$
- Allocation cost is charged monthly based on the budgeted expenses and adjusted in the end of the fiscal year based on the actual expenses that SIGSIM has spent throughout the year.

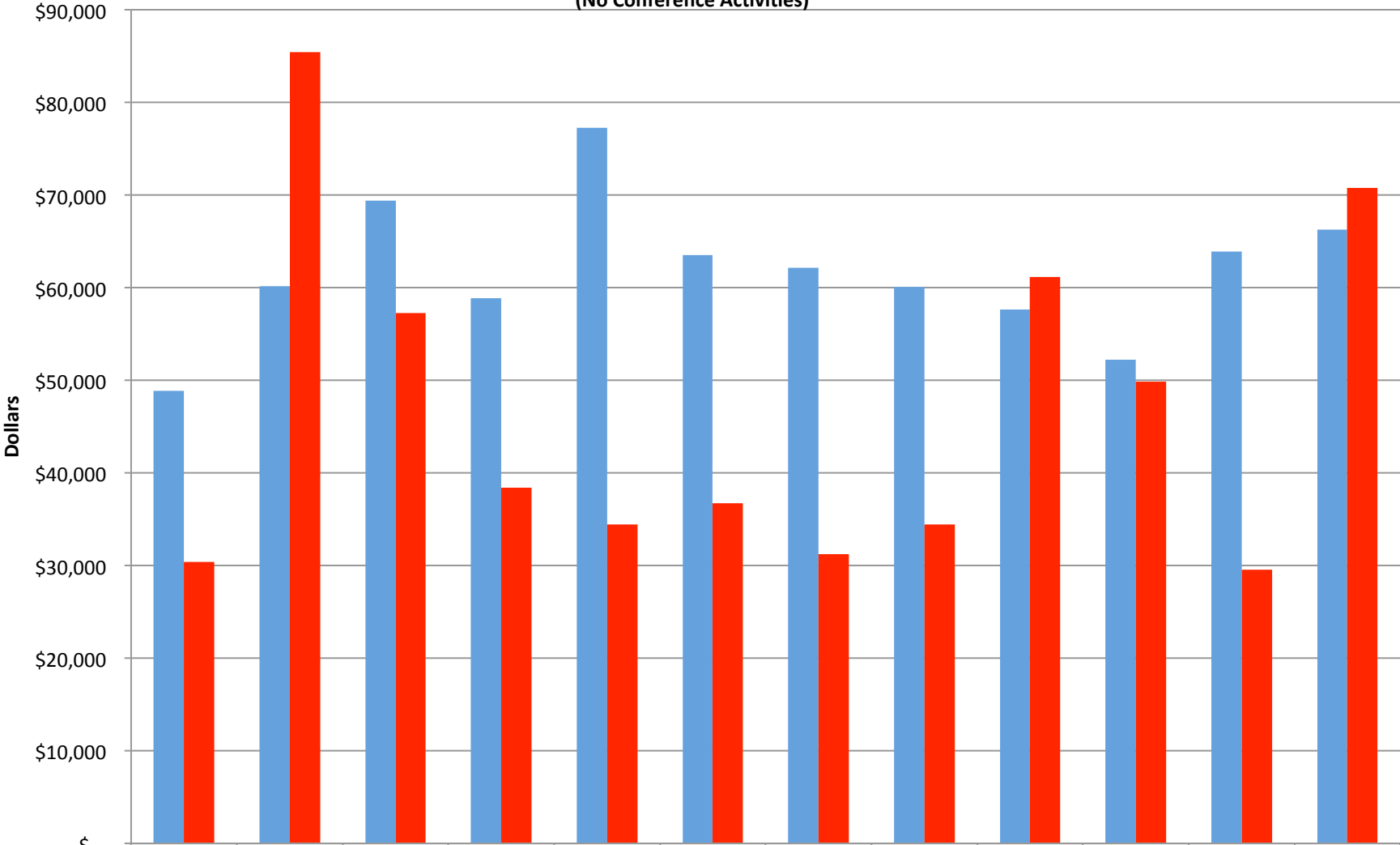
# SIGSIM's Total Financial Operations



	FY 2005 Actual	FY 2006 Actual	FY 2007 Actual	FY 2008 Actual	FY 2009 Actual	FY 2010 Actual	FY 2011 Actual	FY 2012 Actual	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Budget
Expenses	\$111,818	\$170,314	\$140,961	\$141,169	\$149,159	\$156,372	\$155,923	\$169,309	\$248,536	\$213,157	\$203,055	\$232,525
Revenue	\$146,240	\$150,766	\$169,234	\$183,840	\$195,353	\$199,562	\$215,197	\$201,259	\$247,055	\$225,020	\$246,334	\$242,418

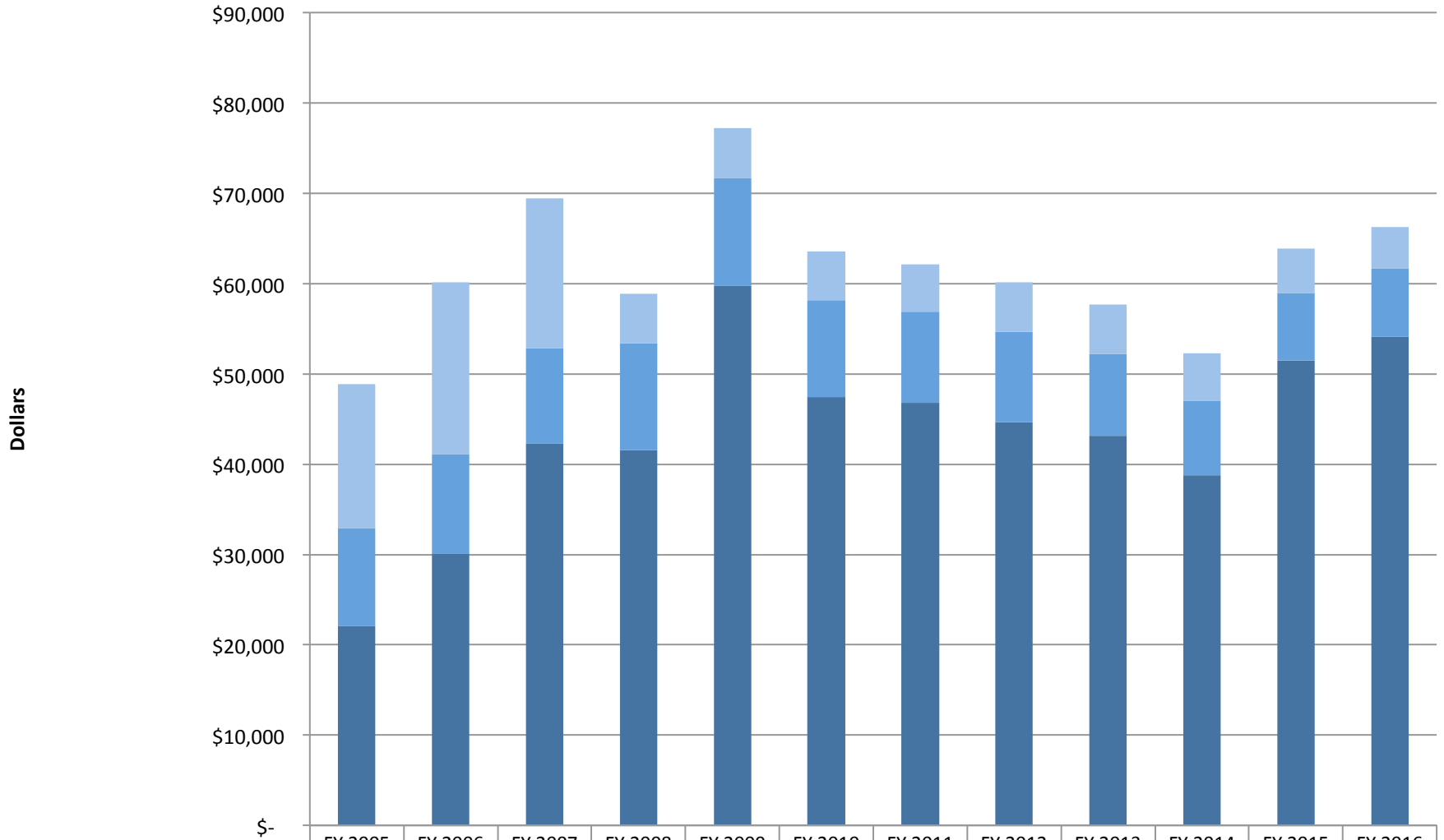
# Organization Operations

(No Conference Activities)



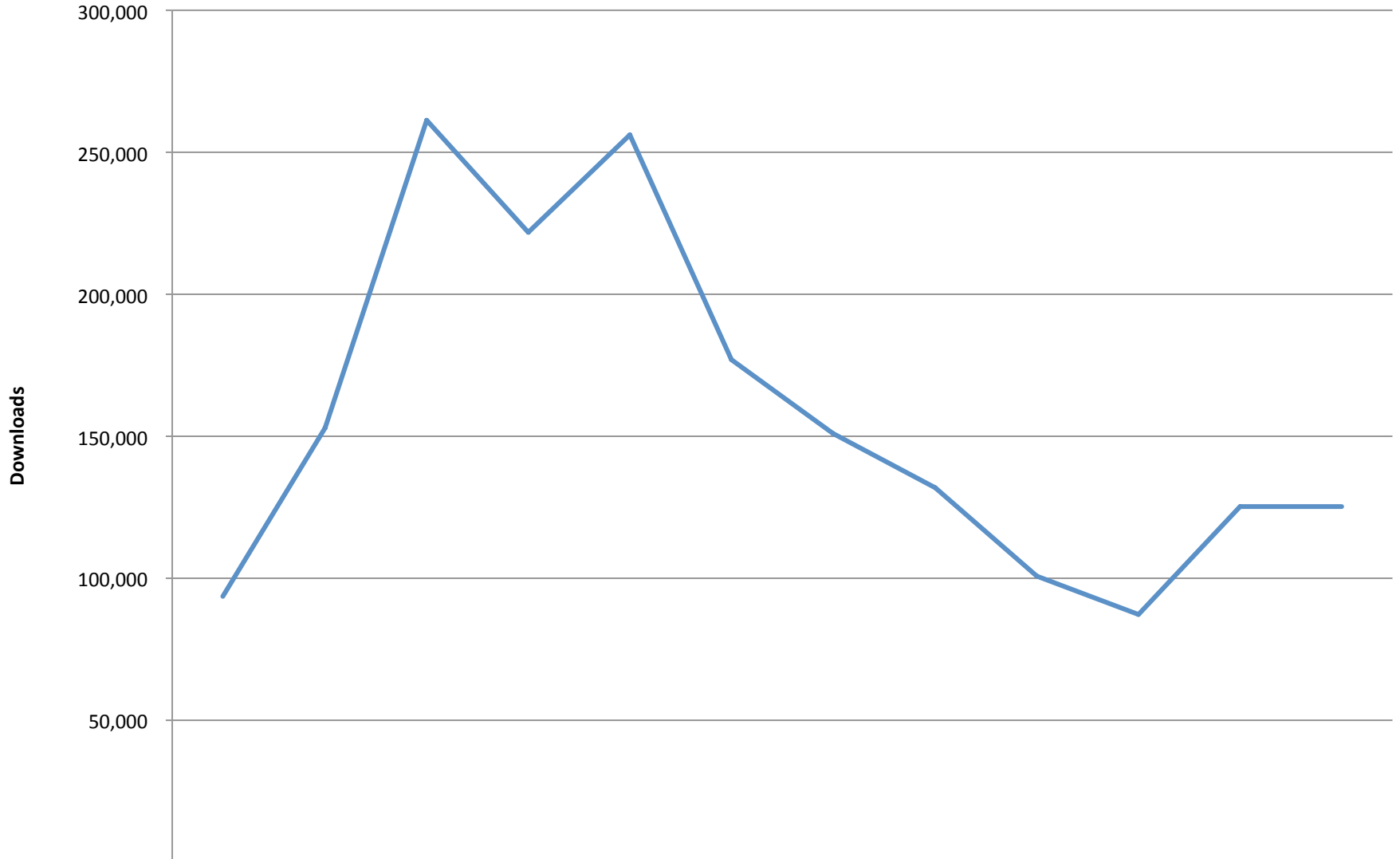
	FY 2005 Actual	FY 2006 Actual	FY 2007 Actual	FY 2008 Actual	FY 2009 Actual	FY 2010 Actual	FY 2011 Actual	FY 2012 Actual	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Budget
Revenue	\$48,903	\$60,141	\$69,424	\$58,860	\$77,266	\$63,536	\$62,142	\$60,125	\$57,671	\$52,257	\$63,904	\$66,302
Expenses	\$30,411	\$85,455	\$57,285	\$38,430	\$34,407	\$36,743	\$31,207	\$34,440	\$61,155	\$49,833	\$29,536	\$70,816

# Organization Revenue Detail



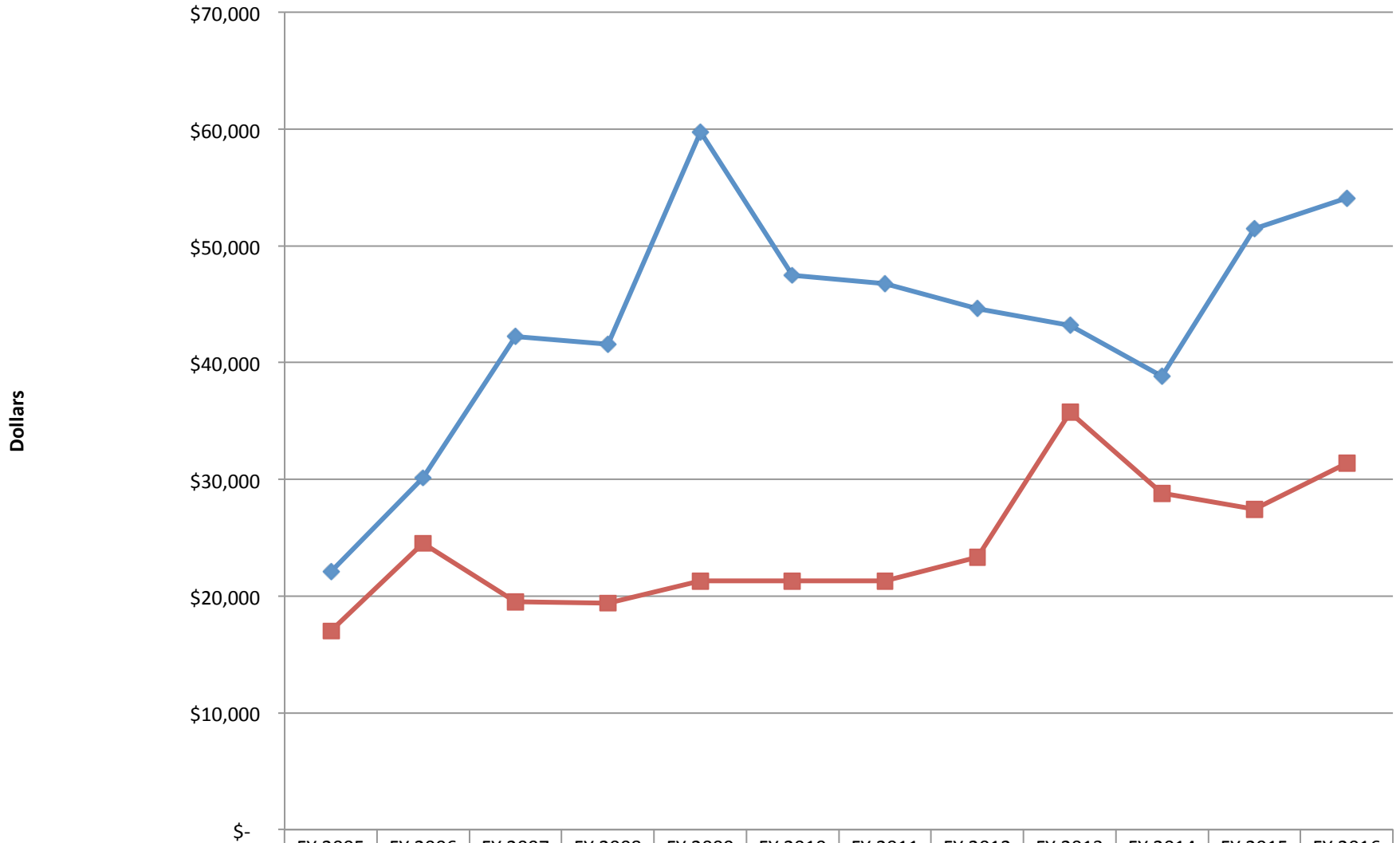
Interest and All Other Revenue	\$16,033	\$19,075	\$16,554	\$5,463	\$5,619	\$5,374	\$5,222	\$5,458	\$5,454	\$5,245	\$4,918	\$4,665
Dues and Subscription	\$10,760	\$10,929	\$10,617	\$11,803	\$11,891	\$10,683	\$10,129	\$10,018	\$9,047	\$8,194	\$7,528	\$7,513
Digital Library	\$22,110	\$30,137	\$42,253	\$41,594	\$59,756	\$47,479	\$46,791	\$44,649	\$43,170	\$38,818	\$51,458	\$54,124

# Digital Library Downloads



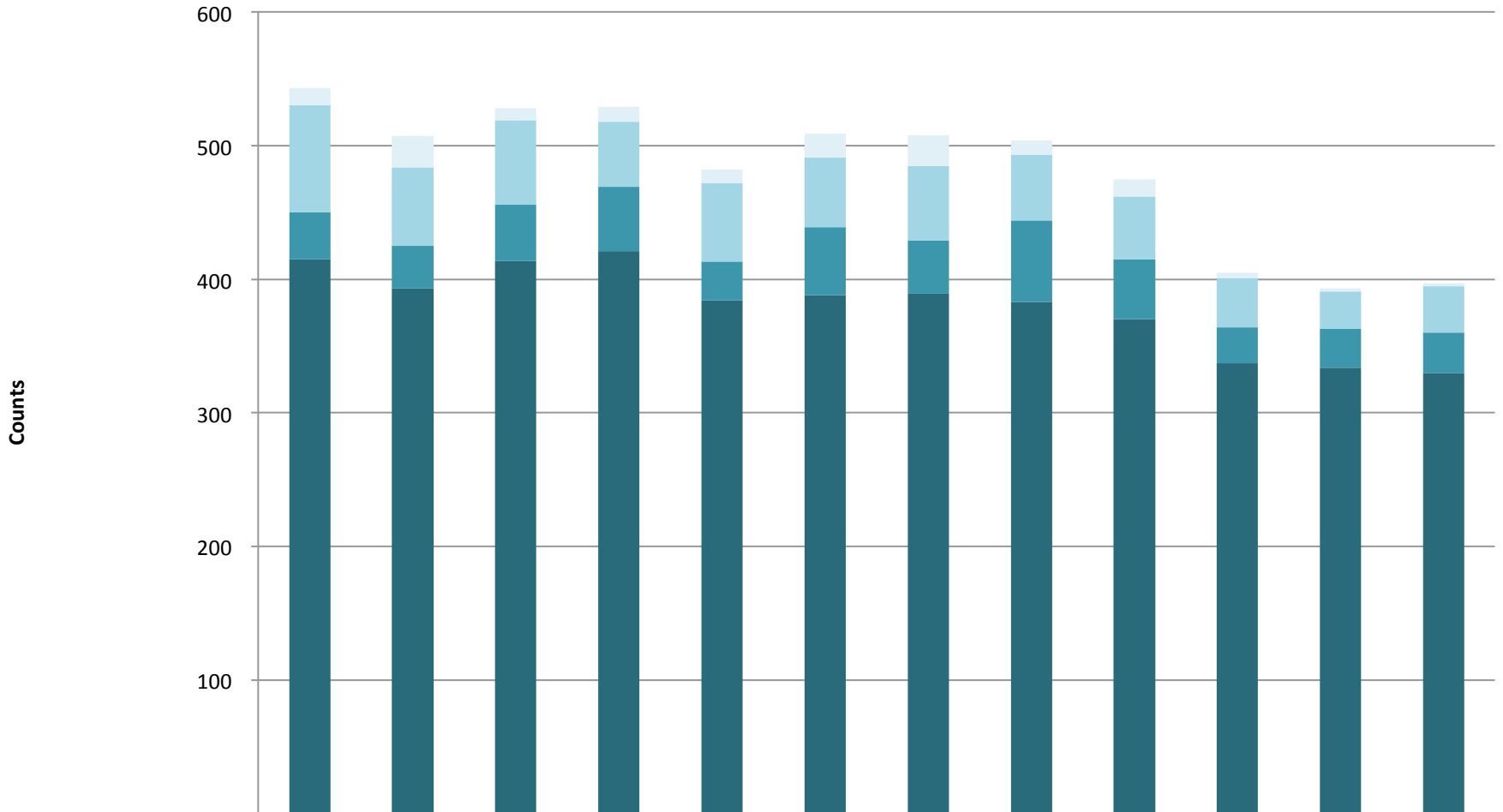
	FY 2005 Actual	FY 2006 Actual	FY 2007 Actual	FY 2008 Actual	FY 2009 Actual	FY 2010 Actual	FY 2011 Actual	FY 2012 Actual	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Budget
Downloads	93,467	152,828	261,225	221,833	256,070	177,043	150,950	131,809	100,781	87,154	125,114	125,114

## Digital Library Revenue versus Allocation Paid



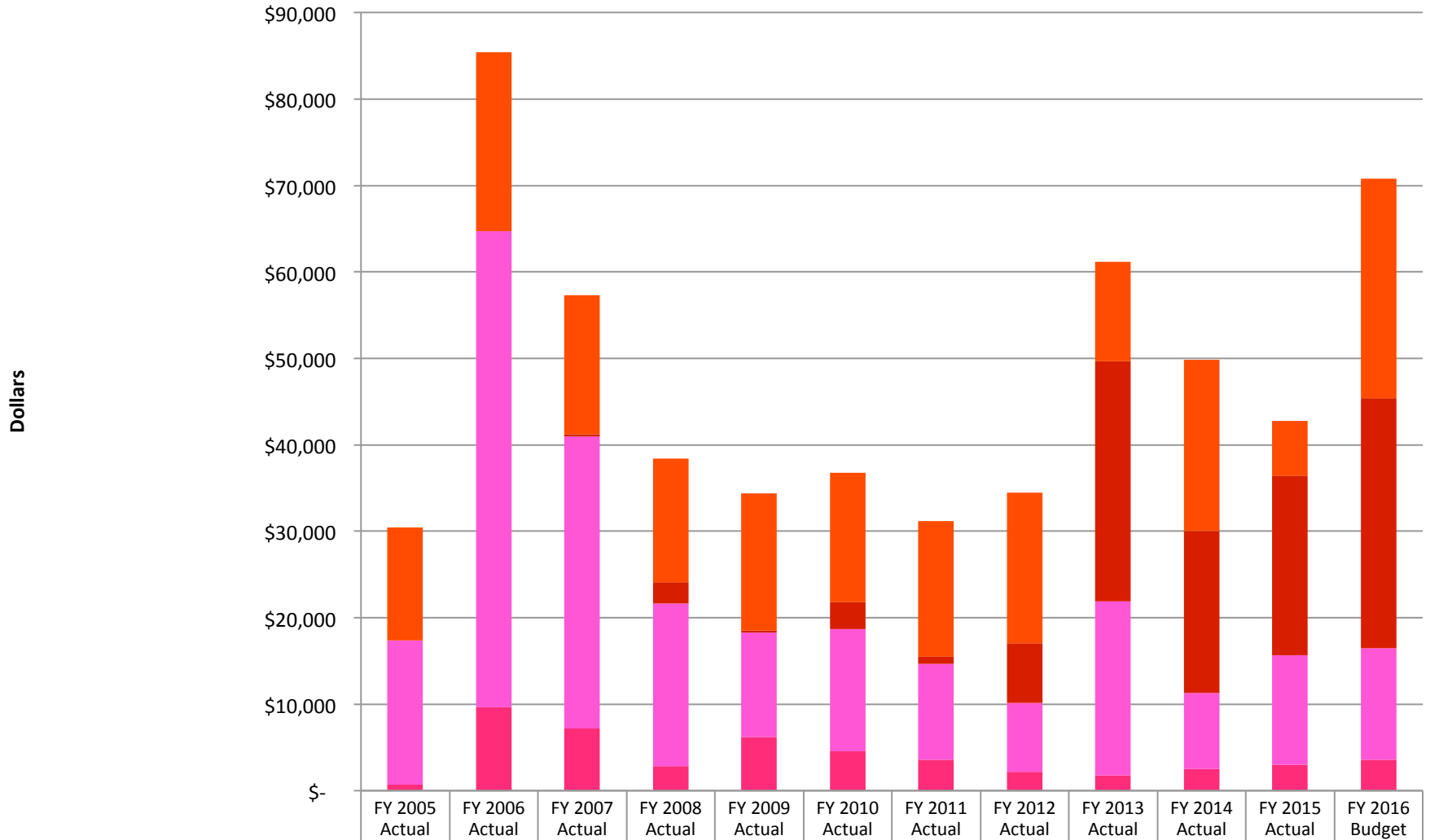
	FY 2005 Actual	FY 2006 Actual	FY 2007 Actual	FY 2008 Actual	FY 2009 Actual	FY 2010 Actual	FY 2011 Actual	FY 2012 Actual	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Budget
Digital Library Revenue	\$22,110	\$30,137	\$42,253	\$41,594	\$59,756	\$47,479	\$46,791	\$44,649	\$43,170	\$38,818	\$51,458	\$54,124
Allocation	\$17,039	\$24,546	\$19,525	\$19,388	\$21,314	\$21,316	\$21,297	\$23,333	\$35,759	\$28,809	\$27,477	\$31,366

## Membership & Subscribers Counts



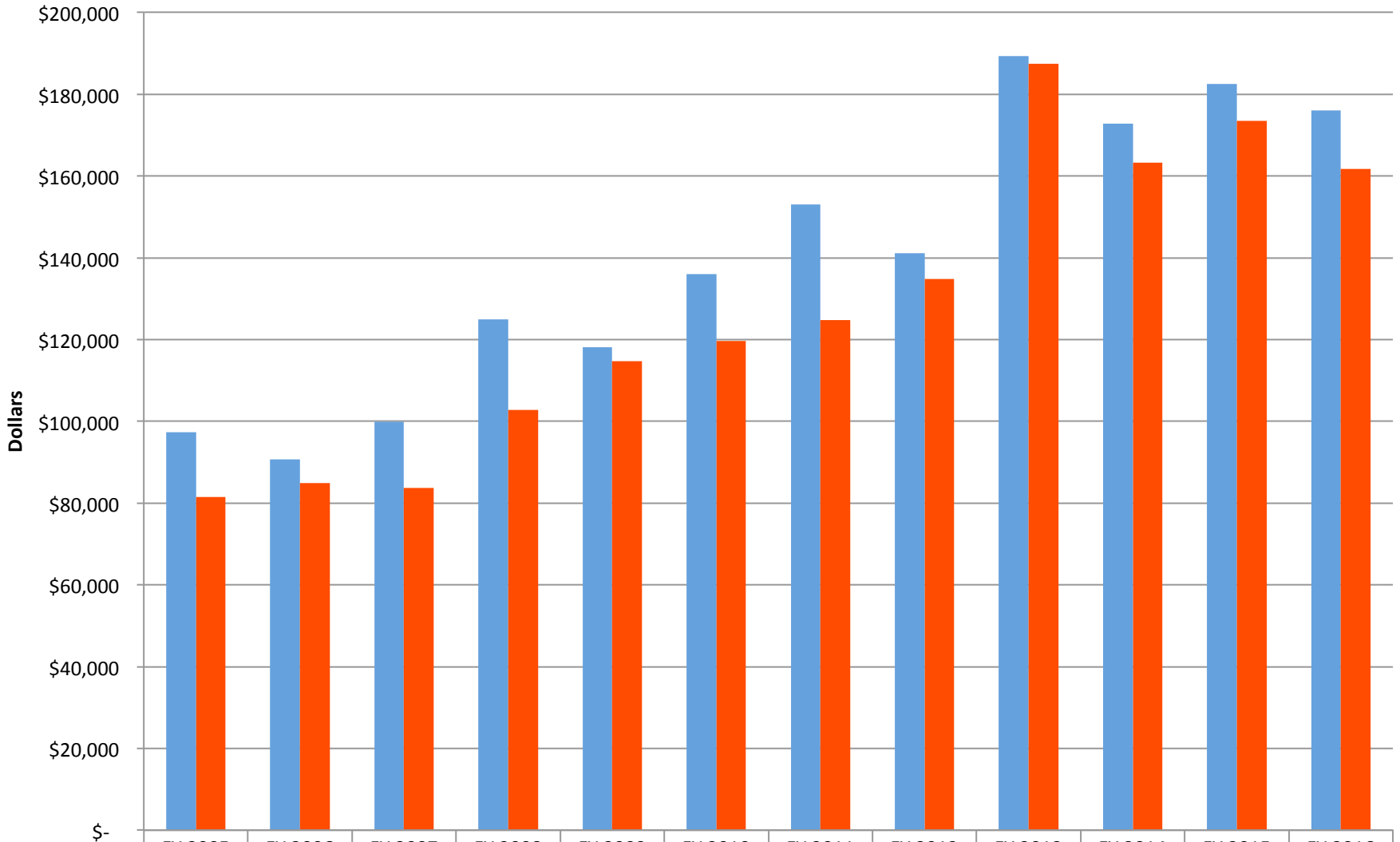
	FY 2005 Actual	FY 2006 Actual	FY 2007 Actual	FY 2008 Actual	FY 2009 Actual	FY 2010 Actual	FY 2011 Actual	FY 2012 Actual	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Budget
Subscribers	13	23	9	11	10	18	23	11	13	4	2	2
Student Members	80	59	63	49	59	52	56	49	47	37	28	35
SIG Only Members	35	32	42	48	29	51	40	61	45	27	29	30
Professional Members	415	393	414	421	384	388	389	383	370	337	334	330

# Organization Expenses Detail



	FY 2005 Actual	FY 2006 Actual	FY 2007 Actual	FY 2008 Actual	FY 2009 Actual	FY 2010 Actual	FY 2011 Actual	FY 2012 Actual	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Budget
All Other Expenses (includes Allocation)	\$13,054	\$20,700	\$16,032	\$14,347	\$15,890	\$14,920	\$15,726	\$17,427	\$11,515	\$19,787	\$6,342	\$25,373
Grants, Awards, Special Projects	\$-	\$-	\$269	\$2,468	\$264	\$3,085	\$808	\$6,850	\$27,735	\$18,729	\$20,777	\$29,000
Production and Distribution	\$16,646	\$55,132	\$33,787	\$18,774	\$12,060	\$14,193	\$11,098	\$7,971	\$20,101	\$8,794	\$12,668	\$12,843
Travel and Meetings	\$711	\$9,623	\$7,197	\$2,841	\$6,193	\$4,545	\$3,575	\$2,193	\$1,804	\$2,523	\$3,017	\$3,600

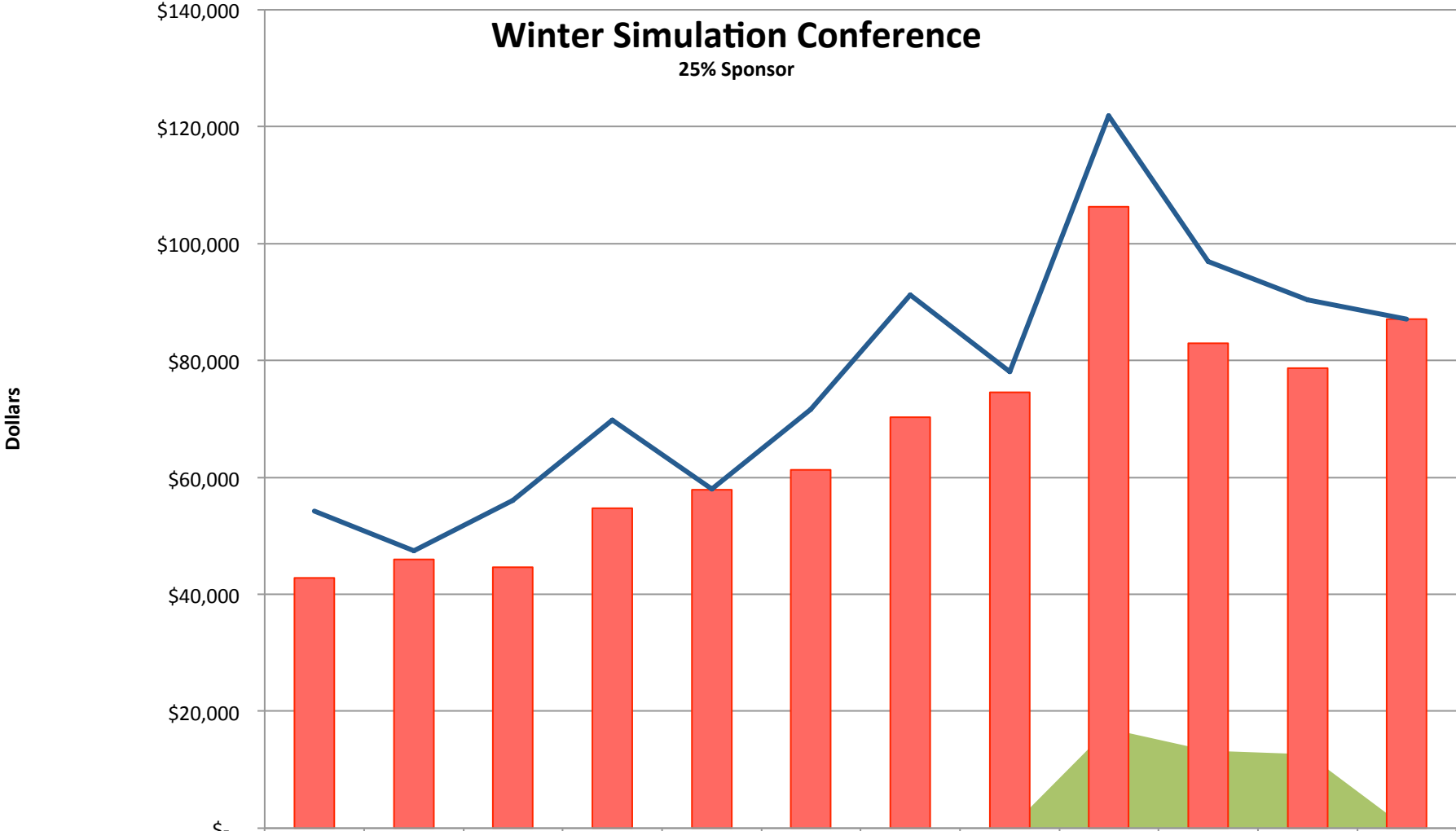
# Conferences Operations



	FY 2005 Actual	FY 2006 Actual	FY 2007 Actual	FY 2008 Actual	FY 2009 Actual	FY 2010 Actual	FY 2011 Actual	FY 2012 Actual	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Budget
Revenue	\$97,337	\$90,625	\$99,810	\$124,980	\$118,087	\$136,026	\$153,055	\$141,134	\$189,384	\$172,763	\$182,430	\$176,116
Expenses	\$81,407	\$84,859	\$83,676	\$102,739	\$114,752	\$119,629	\$124,716	\$134,869	\$187,381	\$163,324	\$173,519	\$161,708

# Winter Simulation Conference

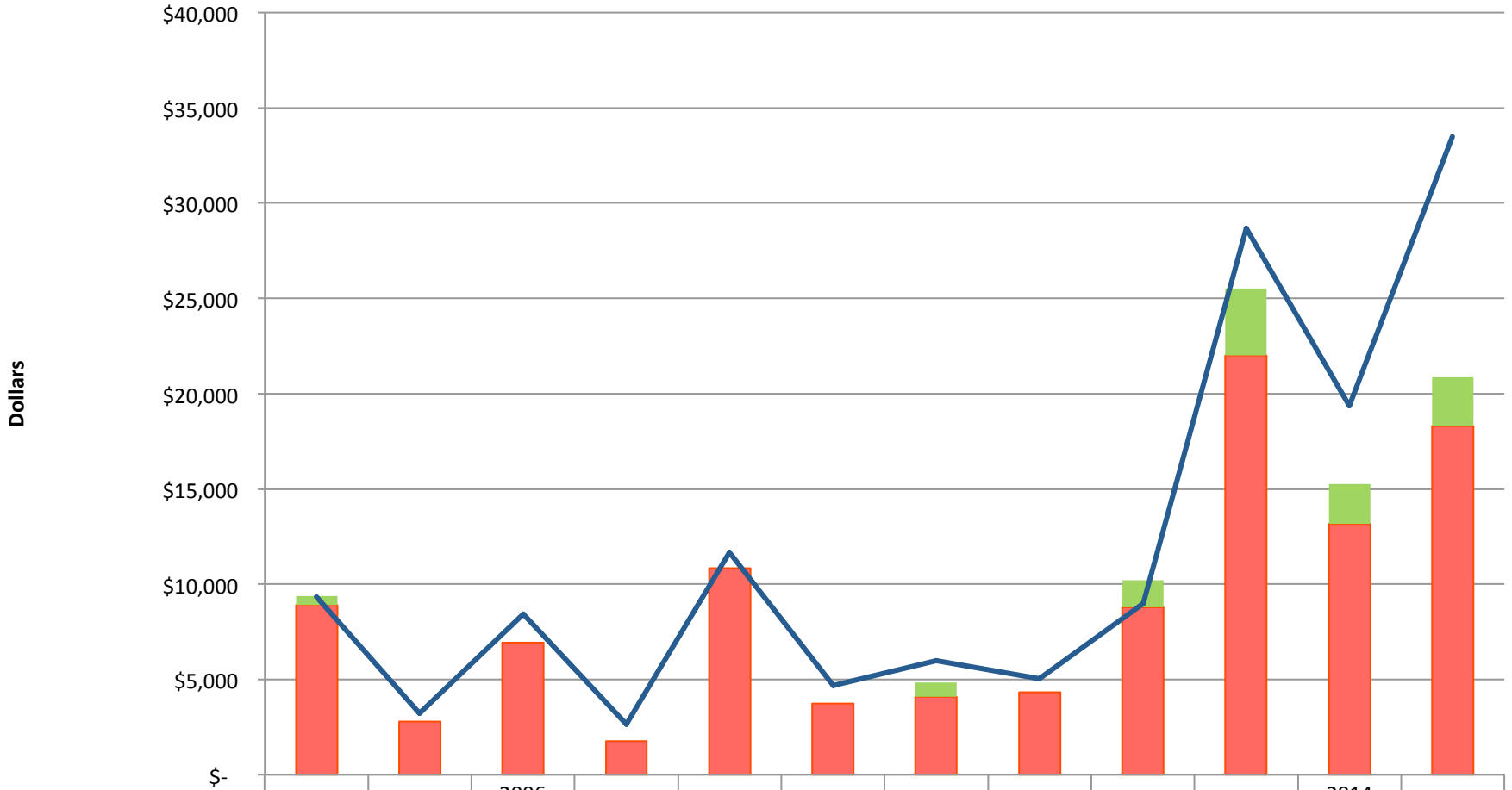
25% Sponsor



	2004 D.C. Actual	2005 Florida Actual	2006 California Actual	2007 D.C. Actual	2008 Florida Actual	2009 Texas Actual	2010 Maryland Actual	2011 Phoenix Actual	2012 Germany Actual	2013 Washingt on, D.C. Actual	2014 Savannah, GA Actual	2015 Hungtingt on Beach, CA Budget
Allocation	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$17,010	\$13,268	\$12,591	\$-
Operating Expenses	\$42,818	\$45,987	\$44,662	\$54,722	\$57,874	\$61,277	\$70,287	\$74,501	\$106,311	\$82,925	\$78,691	\$87,022
Revenue	\$54,203	\$47,443	\$56,073	\$69,772	\$58,002	\$71,586	\$91,146	\$78,084	\$121,845	\$96,864	\$90,363	\$87,046

# PADS

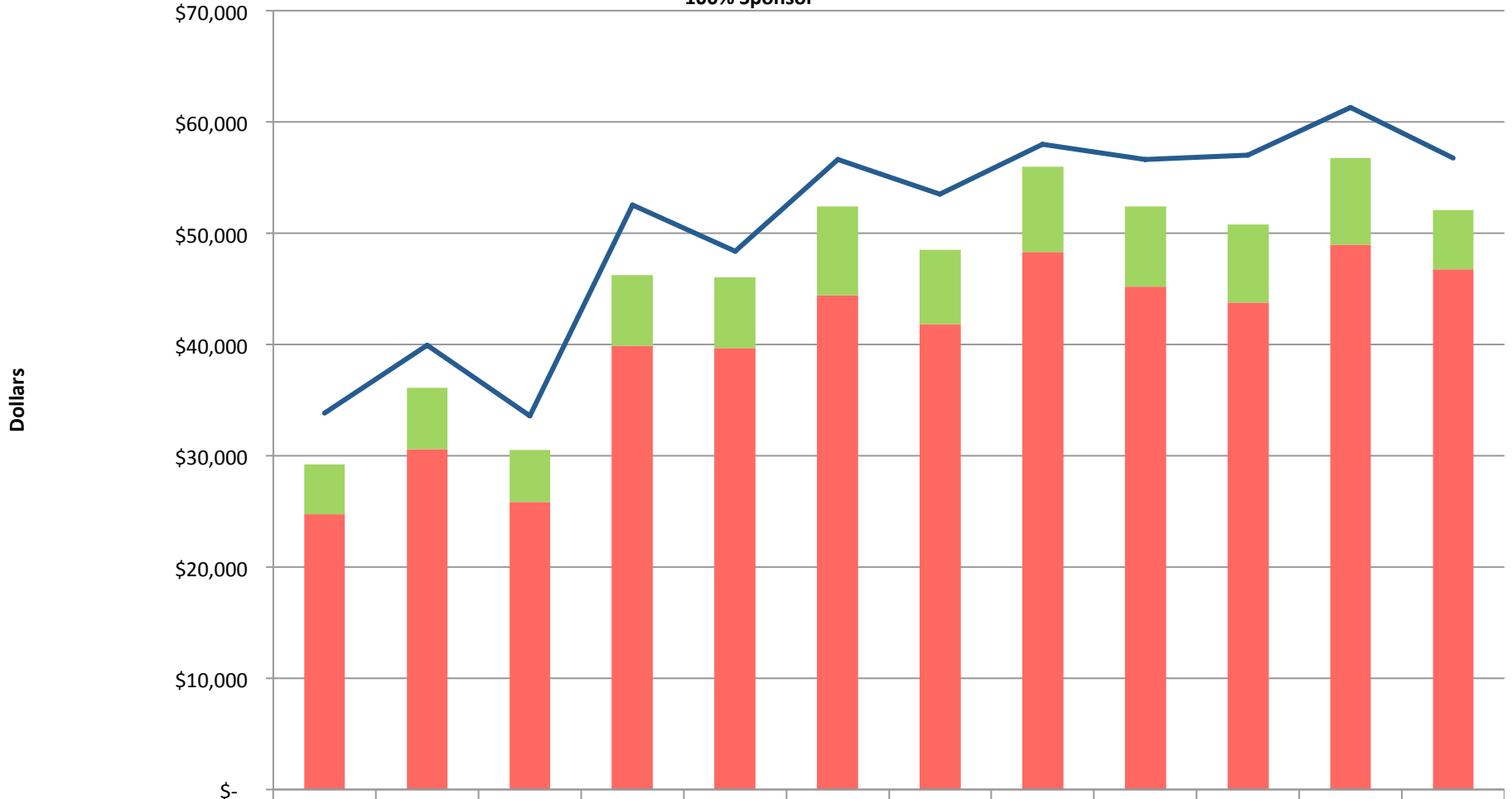
(100% beginning with 2013, 34% prior years)



	2004 Austria Actual	2005 California Actual	2006 Singapore Actual	2007 California Actual	2008 Italy Actual	2009 New York Actual	2010 Atlanta Actual	2011 France Actual	2012 China Actual	2013 Montreal Actual	2014 Denver, CO. Actual	2015 UK Budget
Allocation	\$482	\$-	\$-	\$-	\$-	\$-	\$758	\$-	\$1,405	\$3,520	\$2,104	\$2,546
Operating Expenses	\$8,896	\$2,779	\$6,940	\$1,747	\$10,849	\$3,744	\$4,094	\$4,345	\$8,783	\$22,000	\$13,152	\$18,301
Revenue	\$9,324	\$3,230	\$8,417	\$2,648	\$11,685	\$4,692	\$6,001	\$5,055	\$8,974	\$28,662	\$19,350	\$33,500

# MsWIM

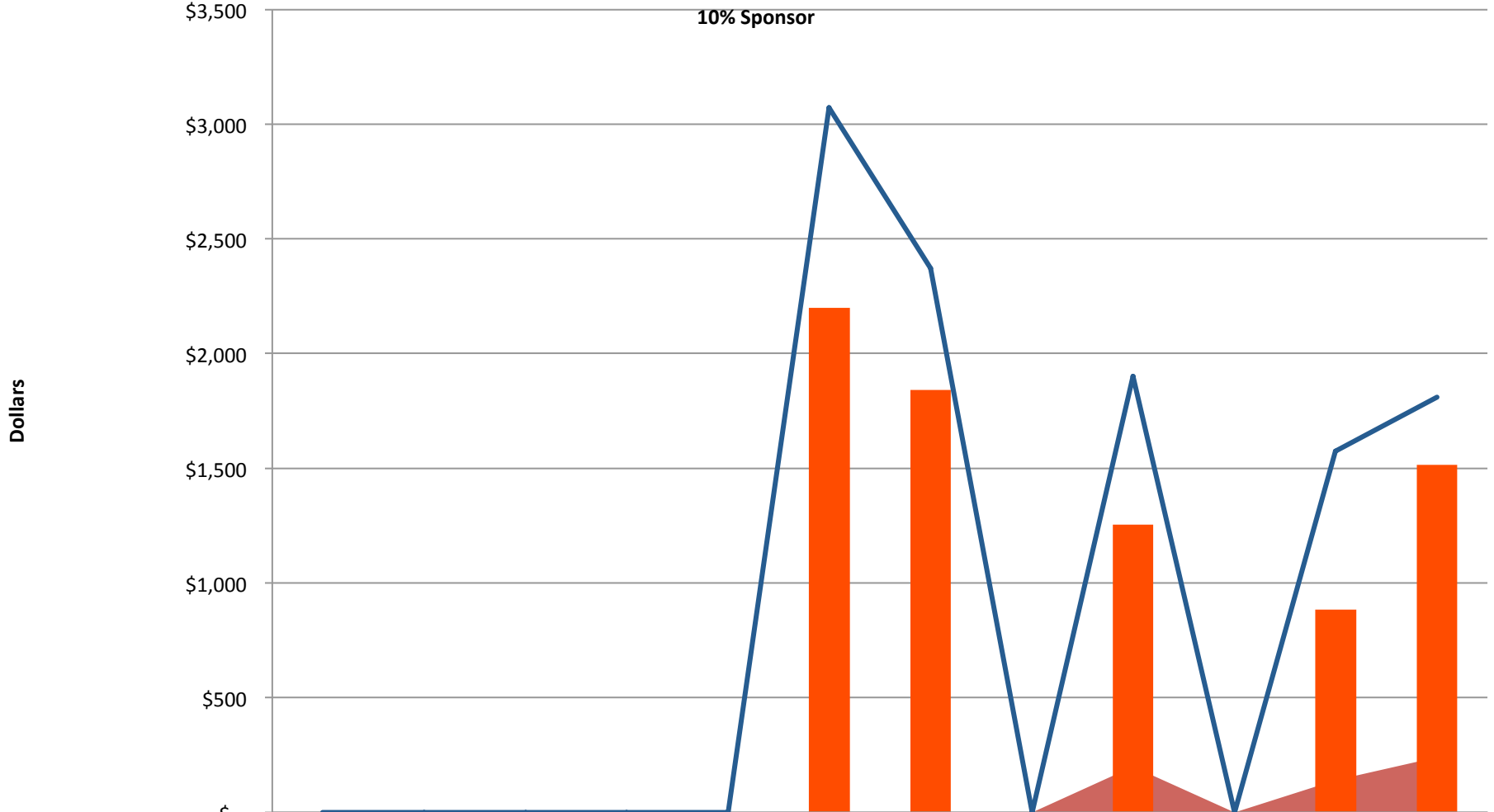
100% Sponsor



	2004 Italy Actual	2005 Canada Actual	2006 Spain Actual	2007 Greece Actual	2008 Canada Actual	2009 Spain Actual	2010 Turkey Actual	2011 Florida Actual	2012 Cyprus Island Actual	2013 Spain Actual	2014 Canada Actual	2015 Mexico Budget
Allocation	\$4,456	\$5,506	\$4,654	\$6,382	\$6,349	\$7,995	\$6,689	\$7,727	\$7,230	\$7,004	\$7,832	\$5,337
Operating Expenses	\$24,755	\$30,587	\$25,855	\$39,888	\$39,680	\$44,415	\$41,804	\$48,296	\$45,188	\$43,778	\$48,952	\$46,745
Revenue	\$33,810	\$39,952	\$33,592	\$52,560	\$48,400	\$56,675	\$53,535	\$57,995	\$56,665	\$57,055	\$61,325	\$56,760

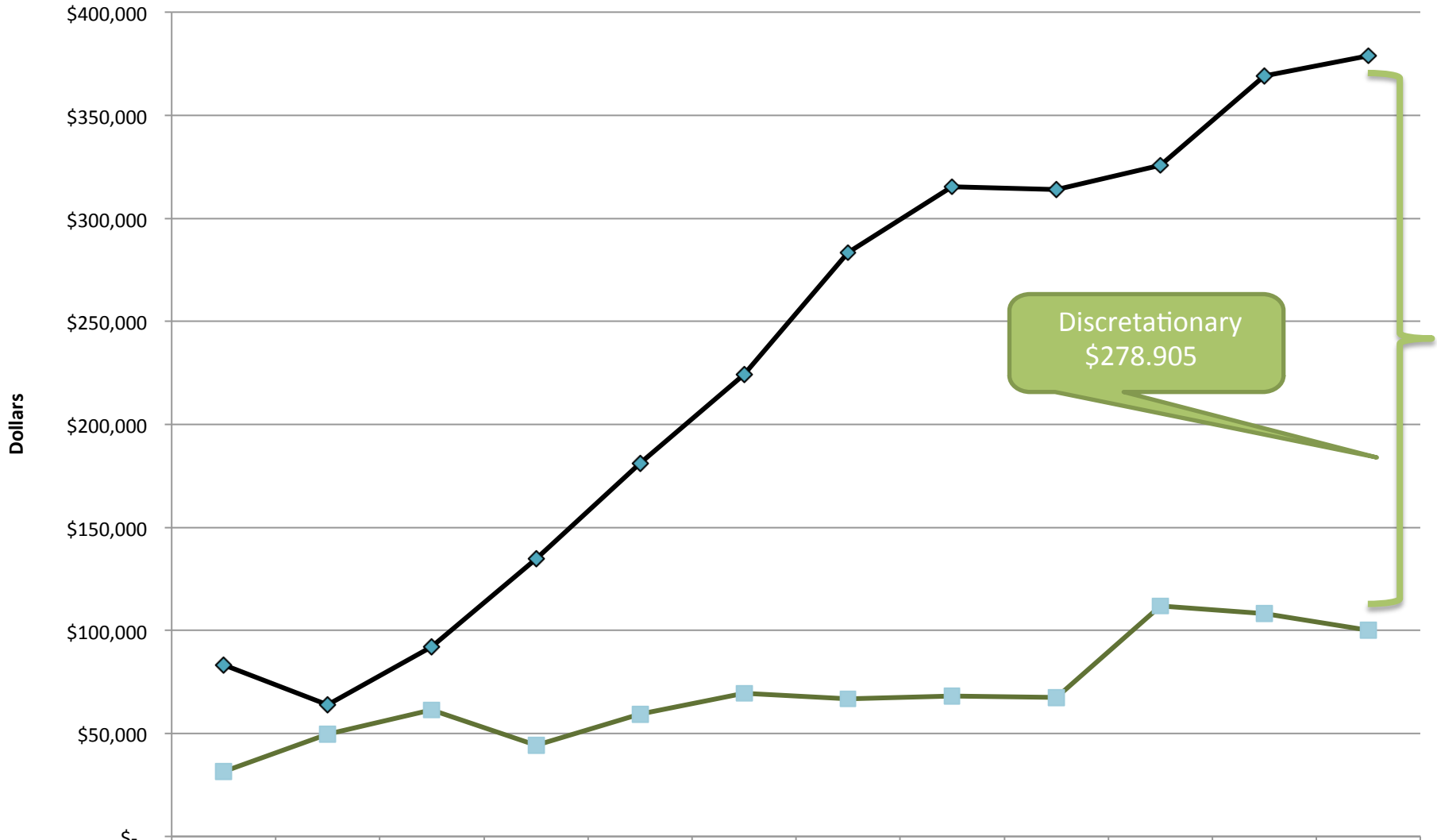
# DS-RT

10% Sponsor




	2004 Actual	2005 Actual	2006 Actual	2007 Actual	2008 Actual	2009 Singapore Actual	2010 Virginia Actual	2011 Actual	2012 Ireland Actual	2013 Netherlands Actual	2014 France Actual	2015 China Budget
Allocation	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$201	\$-	\$141	\$242
Operating Expenses	\$-	\$-	\$-	\$-	\$-	\$2,198	\$1,841	\$-	\$1,254	\$-	\$884	\$1,515
Revenue	\$-	\$-	\$-	\$-	\$-	\$3,073	\$2,373	\$-	\$1,900	\$-	\$1,574	\$1,810

# Fund Balance



	FY 2005 Actual	FY 2006 Actual	FY 2007 Actual	FY 2008 Actual	FY 2009 Actual	FY 2010 Actual	FY 2011 Actual	FY 2012 Actual	FY 2013 Actual	FY 2014 Actual	FY 2015 Actual	FY 2016 Budget
Ending	\$83,442	\$63,894	\$92,167	\$134,838	\$181,032	\$224,222	\$283,496	\$315,446	\$313,962	\$325,825	\$369,104	\$378,997
Required	\$31,459	\$49,680	\$61,466	\$44,417	\$59,345	\$69,516	\$66,708	\$68,170	\$67,432	\$111,832	\$108,221	\$100,092

An aerial photograph of a mountain valley. In the foreground, a town with several buildings and a green field is visible. A river flows through the valley. In the background, there are large, rugged mountains with some snow patches under a clear blue sky.

# SIGSIM PADS 2016

## Banff, Alberta Canada

### May 15-18, 2016

- General Chairs: Richard Fujimoto & Brian Unger
- Local arrangements: Brian Unger
- Program Chair: Chris Carothers
- PhD Colloquium: Phil Wilsey
- Publicity Chair: Kevin Jin
- Proceedings Chair: Jason Liu
- Registration Chair: Holly Rush

# Program Elements



- PhD Colloquium: Sunday May 15
- Main conference (1.5 tracks)
  - Paper deadline: January 8, 2016
  - Regular and short papers (replaces WIP papers)
- Dynamic Data Driven Application Systems Workshop
  - Keynote (conference wide): Frederica Darema (AFOSR)
  - 1 day of papers, essentially a separate mini-track of the conference
  - Possible model for future expansion of the conference

# Increasing Attendance



- DDDAS workshop
- Conference attendees receive complementary one year ACM SIGSIM membership
- Eight student scholarships
- Publicity Plan based on 2015 conference
  - Merged PADS and ACM-SIGSIM email list

# Simulation Archive

- URL: <http://d.lib.ncsu.edu/computer-simulation/videos/>
- Advisory Committee: R. Nance (C), R. Sargent, J. Wilson
- Simulation Archive Endowment Fund
  - Very appreciative past support by I-Sim and SIGSIM
  - Balance = \$71,000 (Sept 30, 2015)
- NSF Grant: A Retrospective Oral History of Computer Simulation, J. Wilson (PI)
  - Project is to be completed in August 2016
    - 24 Interviews completed and posted to date
    - 3 Interviews planned for 2016
- Advisory Committee Meeting at NCSU on November 3, 2015
  - Discussed NSF Grant Work and status of videos at NCSU Libraries
  - Discussed cataloging of contributed materials
  - Visited the new Hunt Library
  - Discussed future efforts
    - ❖ Goal of \$100,000 for Endowment for 2017
    - ❖ Identified individuals to asked for materials for Archive
    - ❖ Desire Mid-Career “Hot-shots” to save materials for Archive
- Donations are welcomed for the Endowment (tax deductible)
  - [greg.raschke@ncsu.edu](mailto:greg.raschke@ncsu.edu)



**SIGSIM**

*ACM SIG on Simulation and Modeling*

## Education Committee

Dr David Bell

# *WSC and SIGSIM-PADS*

## *SIGSIM Student Travel Support*

### *Awards*

To support the professional development of Ph.D. students working in the field of modeling and simulation, SIGSIM offers travel support for up to 15 students to attend the Winter Simulation Conference (10) and ACM SIGSIM PADS (5).

Individual awards of up to \$1000 will be made. These awards can be used for travel, lodging, and registration expenses. Awardees will need to submit receipts for reimbursement after attending the conference.

### *Dates*

Application materials should be submitted to the SIGSIM Student Travel Awards Committee at least three months prior to the conference start date.

Students will be notified of award decisions within one month.

# *WSC 2014*

## *SIGSIM Student Travel Support*

- WSC 2014, 9 applicants, all supported
  - *Mohammad Dehghanimohammadabadi, Western New England University*
  - *Young Joon Oh, UT Dallas*
  - *Ashkan Negahban, Auburn University*
  - *Ketki Kulkarni, Indian Institute of Technology (Bombay)*
  - *Mingxin Zhang, TU Delft*
  - *Sojung Kim, University of Arizona*
  - *Reza Akhavian, University of Central Florida*
  - *Masoud Fakhimi, University of Surrey*
  - *Kara Olson, Old Dominion University*

# ***PADS 2015 & WSC 2015***

## ***SIGSIM Student Travel Support***

- PADS 2015, 5 Applicants, All supported
  - *Jiaiqi Yan (Illinois Institute of Technology)*
  - *Karen Doore (University of Texas at Dallas)*
  - *Shu Pan (University of Southampton)*
  - *Damian Vicino (Carlton University/Inria)*
  - *Ning Liu (Illinois Institute of Technology)*
- WSC 2015, 5 applicants, All supported
  - *Morgan Brown (University of Wisconsin - Madison)*
  - *Thuy Anh Diro (University of Montreal)*
  - *Cristina Ruiz (University of Carlton)*
  - *Masood Fakhimi (University of Surrey)*
  - *Rahul Mittal (University of Exeter)*

## ***PADS 2016 & WSC 2016***

### ***Improve Publicity to increase applications (Ideas)***

- Better links to conference publicity and doctoral colloquium chair
  - Include text and links to web page*
- More use of ACM mail list
- Links from conference web pages
- Publicise to SIGSIM members list
- .....

Attendance of the ACM SIGSIM Business Meeting		
WSC, Huntington Beach, CA		
December 8, 2015		
	<i>First Name</i>	<i>Last Name</i>
1	Anastasia	Anagnostou
2	Osman	Balci
3	Andrea	D'Ambrogio
4	Masoud	Fakhimi
5	Richard	Fujimoto
6	Denis	Gracanin
7	Kitty	Heinrich
8	Kai G.	Mertens
9	Nav	Mustafee
10	David	Nicol
11	Kara	Olson
12	Ernie	Page
13	Robert	Sargent
14	Young-Jun	Son
15	Simon	Taylor
16	Ta	Thuy Anh
17	Andreas	Tolk
18	John	Tufarolo
19	Alexander	Verbraeck
20	Philip	Wilsey
21	Jim	Wilson