

Minutes of the ACM SIGSIM Membership Meeting

Virtual meeting via Zoom

January 29, 2021, 11:05 a.m. – 2:15 p.m. EST

The meeting was called to order at 11:05 a.m. and conducted by Kalyan Perumalla, Chair. Andreas Tolk, Vice Chair, and Kara Olson, Secretary/Treasurer, were also present.

1. Welcome

The meeting agenda and welcome slides are attached.

After the current officers introduced themselves, Perumalla shared his vision for the current term and beyond, also mentioning forthcoming member meeting dates.

2. Awards

The informational slides presented in this section are attached.

The SIGSIM Distinguished Contributions Award was presented to Ernie Page. Lin Uhrmacher presented a good-natured roast of Page, as well as mentioning some of the glowing comments that were submitted in support of his nomination; Page presented an equally good-natured rebuttal, encompassing thanks to those who he's worked with throughout the years. Both presentations were in line with Page's well-known humor and were well-received.

It was mentioned that the PhD Colloquium Best Paper was awarded to Thomas Voß of Leuphana University, first announced at the 2020 Winter Simulation Conference.

David Bell discussed the current state of the SIGSIM Student Travel Awards, which will resume once travel conditions allow. Travel awards will also now be available for the MSWiM conference. Bell encouraged anyone interested in joining the committee to let him know.

Perumalla presented for consideration some possible new awards and welcomed feedback.

3. Organizational Items: Financial Update, Simulation Archive Update, Membership Sustenance and Expansion

The slides presented in this section are attached.

SIGSIM continues to be in good financial standing. Expenditures have been notably less due to the pandemic, as have conference revenues. Andreas Tolk pointed out that while the WSC 2020 hotel

contract was able to be reworked to avoid penalty (discussed later in these minutes), this is not yet known for the 2021 contract.

Simon Taylor presented the Simulation Archive update. Taylor thanked among others the founders of the Archive – Bob Sargent, Jim Wilson, and Dick Nance – as well as INFORMS for its donations and SIGSIM for its continuous support of the archive since 2012. How the funding is used was discussed, which includes storage, staff, scanning, and transcription, among other archiving tasks. Bob Sargent motioned that SIGSIM continue its contribution to the endowment, suggesting an increased amount of \$7500 per year. The motion was seconded. Inquiry was made as to possibly making the contribution a recurring event by default, with a report presented at the Business Meeting, similar to the SIGSIM-supported conferences; a counter was suggested that it be made a recurring event, but with a specific window (for example, for only a certain number of years). The discussed recommendations will be forwarded to the appropriate committee.

Kalyan Perumalla briefly mentioned Membership Sustenance and Expansion.

4. Subcommittees: Technical Subcommittees, Enthusiast Subcommittees

The slides presented in this section are attached.

Kalyan Perumalla shared that Communications of the ACM is interested in receiving nominations of technical advancements from each of its SIGs and solicited suggestions of such highlights. He will gather the recommendations and synthesize and forward them as appropriate.

Perumalla discussed the possibilities of several subcommittees and encouraged feedback and indication of interest from the membership.

5. Community Presence

The slide presented in this section are attached.

Kalyan Perumalla indicated that the SIGSIM Newsletter, currently an occasional publication, is hoped to become a more regular occurrence. He also discussed SIGSIM having physical representation at conferences, such as a table or booth.

6. Conference Reports

The slides presented in this section are attached.

Philippe Giabbanelli discussed the PADS conference. Having considered feedback from PADS 2020 and other conferences that have had a fully- or mostly-online program, additional focus is being directed toward ways to better foster conference discussions rather than “just” watching presentations. It was

also pointed out that a venue has not been chosen for PADS 2022 and all were encouraged to consider venues as appropriate.

The presenter for MSWiM was unable to attend the Business Meeting at the last moment. Perumalla indicated the need for tighter interaction with MSWiM.

Charles Macal discussed the Winter Simulation Conference. INFORMS was able to negotiate with the 2020 conference hotel to cancel its contract without financial penalty, with stipulations for some future conferences to be held at Marriott properties. It is unclear yet how the pandemic will affect the 2021 conference, including its contracts and even how it will be held: in person, virtually, or a hybrid model.

Carlos Calafate discussed the DS-RT conference. SIGSIM has increased its financial support from 10% to 20% starting with the 2021 conference. The conference tends to draw primarily from within Europe as it is often held in Europe; the DS-RT committee would like to attract more submissions and attendees from outside of Europe as well.

Gabriel Wainer and David Gerber discussed SimAUD, the Symposium on Simulation for Architecture and Urban Design. SimAUD has been affiliated with SIGSIM in the past but has not been recently, and the conference committee would like to renew that affiliation. The presenters shared that generally there are 90-150 paper submissions with a 30-50% acceptance rate. For the 2020 conference, there were 69 paper presentations, 200 registrants, and over 7000 separate views. The symposium is expected to be online again this year (April) due to current conditions, though there was initial hope for a hybrid approach.

When asked what made SimAUD unique, it was offered that it is a multi-disciplinary symposium bringing together both researchers and practitioners; the symposium introduces review rigors of the science and engineering disciplines that historically may not have been a part of this community, elevating the community and its work. In addition, it fills a gap between design-based conferences and engineering-based conferences, one that would otherwise be vacant. The present membership seemed receptive to renewing the affiliation, and recommendations will be forwarded as appropriate.

7. Conference Leadership Confluence

The slide presented in this section is attached.

Kalyan Perumalla led discussion about experiences with virtual meetings, including different available software for online conferences; costs; security; and training. Links to some of ACM's current guidance were shared, including "SIG Conference Planning Guide", <https://www.acm.org/special-interest-groups/volunteer-resources/conference-planning> ; and "Virtual Conferences", <https://www.acm.org/virtual-conferences> (both available as of the writing of these minutes). It was mentioned that thankfully neither WSC nor PADS had any cyber-interference this past year, nor presumably did MSWiM or DS-RT.

Perumalla put forward that ACM is considering requiring all affiliated conferences to have double-blind reviews and was asked to gauge how the SIG would feel about such a requirement. The present membership had no objections to such a requirement.

Due to time constraints, Perumalla quickly mentioned that it was recommended that Business Meetings were held as part of conferences as able.

8. Adjourn

The slide presented in this section is attached.

The meeting was adjourned at 2:15 p.m.

*Minutes taken by Kara Olson
January 29, 2021*

between 18 and 26 members were in attendance at any given time;
21 members and 10 additional participants were registered

Meeting: January 29, 2021

Agenda

Update 2021/01/28: Registration links have been sent to members via email. If you have not received the message, please check your spam/junk folders.

The first members/business meeting of 2021 will be held virtually via video conference on Friday, January 29, 2021.

Start: 11am US Eastern Time

Duration: Approximately 3.5 hours

Video Conference: Zoom (registration links sent to members via email)

1. **Welcome** [~15mins]
 - New SIGSIM Leadership [3mins each]
 - Vice Chair [Andreas Tolk]
 - Treasurer [Kara Olson]
 - Chair [Kalyan Perumalla]
 - Message & Vision [Kalyan Perumalla]
 - Schedule of Meetings
2. **Awards** [~30mins]
 - Distinguished Contributions Award [~15mins]
 - Citation and Laudatio [Adeline Uhrmacher]
 - Awardee [Ernest Page]
 - PhD Colloquim Best Paper Award [5mins]
 - Student Travel Awards [5mins]
 - Overview of Award and List of Awardees [David Bell]
 - New Award Opportunities (Tentative/Proposed) [5mins]
 - Rising Star Award
 - Simulation Impact Award
3. **Organizational Items** [~25mins]
 - Financial Update [Kara Olson]
 - Simulation Archive Update [Simon Taylor]
 - Membership Sustenance and Expansion [Kalyan Perumalla]
4. **Sub-Committees** [~15mins]
 - [Kalyan Perumalla]
 - Technical Sub-Committees
 - CACM Highlights
 - AI and Sim
 - Digital Twin
 - Enthusiast Sub-Committee – Launching Soon

- CFP Enthusiasts
- News Enthusiasts
- Interview Enthusiasts
- Web Enthusiasts

5. **Community Presence** [~15mins]

- SIGSIM Newsletter [Kalyan Perumalla]
- SIGSIM Representation in Conferences [Kalyan Perumalla]

6. **Conference Reports** [~45mins]

- [5-10mins each]
- Overview [Kalyan Perumalla]
- PADS [Philippe Giabbanelli/Andreas Tolk]
- MSWiM [Carlo Gianelli]
- WSC [Charles Macal/Andreas Tolk]
- DS-RT [Carlos Calafate]
- SimAUD [David Gerber/Gabriel Wainer]

7. **Conference Leadership Confluence** [~45mins]

- SIGSIM Representatives
 - SIGSIM [Kalyan Perumalla]
 - WSC [Charles Macal/Andreas Tolk]
 - MSWiM [Carlo Gianelli/Simon Taylor]
 - PADS [Saikou Diallo/Philippe Giabbanelli]
 - DS-RT [Carlos Calafate/Floriano de Rango]
 - SimAUD [David Gerber/Matthew Schwartz/Gabriel Wainer]
- Virtual Meeting Best Practices [All]
- SIGSIM Community Presence
- Business Meetings in Conferences
- Conference Steering Committee Elections
- Additional Topics

8. **Adjourn**

ACM SIGSIM Members/Business Meeting

Virtual Meeting

January 29, 2021

Presented by Kalyan Perumalla, SIGSIM Chair



Housekeeping: Meeting Etiquette

- Mute/unmute
 - Default: mute
 - Unmute for conversations
 - Switch back to mute
- Video
 - Feel free to keep on or off
- Chat
 - Feel free to type (voice preferred)
- Joining and rejoining
 - Anytime
(all of us have real, day jobs to take care of!)
- Hors d'oeuvres
 - Next time when we meet in person!

Agenda

- 1. Welcome** 15mins
New SIGSIM Leadership
Message & Vision
- 2. Awards** 30mins
Distinguished Contributions
PhD Colloquium, Travel, New
- 3. Organizational** 25mins
Financial, Sim Archive, Membership
- 4. Sub-Committees** 15mins
Technical, Enthusiast
- 5. Community Presence** 15mins
Newsletter, Conference Representation
- 6. Conference Reports** 45mins
PADS, MSWiM, WSC, DS-RT, SimAUD
- 7. Conference Leadership Confluence**
45mins
PADS, MSWiM, WSC, DS-RT, SimAUD
- 8. Adjourn**

1. Welcome - Introductions

1. Kara Olson (Treasurer)
2. Andreas Tolk (Vice Chair)
3. Kalyan Perumalla (Chair)

Kara Olson's Introduction

Welcome - 1



Andreas Tolk's Introduction

Welcome - 2

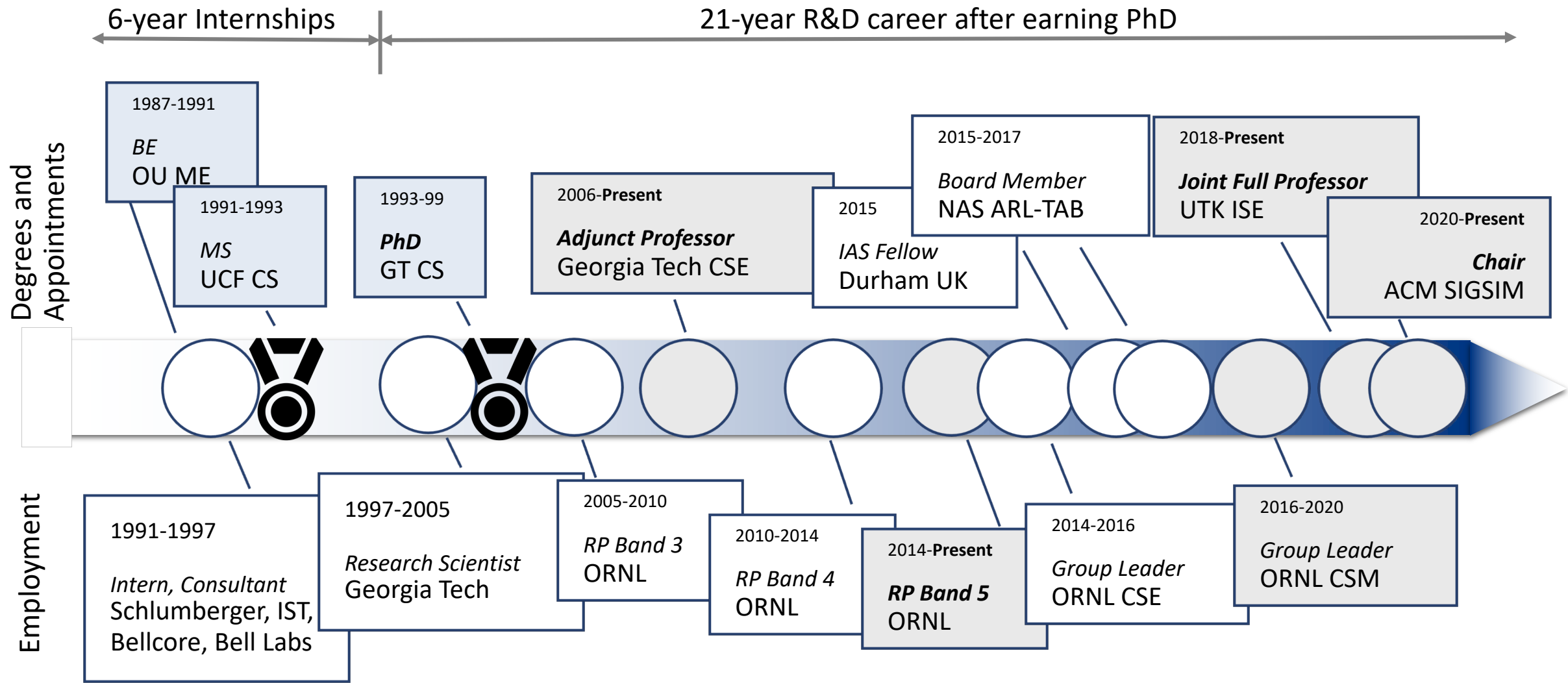


Kalyan Perumalla's Introduction

Welcome - 3



Kalyan Perumalla (ACM SIGSIM Chair) Research Background



Kalyan Perumalla – Additional Information

- Research
 - 125+ **publications**
 - 100s of presentations
 - **Keynotes, tutorials**
 - **Books**
 - “Introduction to Reversible Computing”
 - “Network Simulation”
 - **H-index 32**
 - **Awards**
 - **5 Best paper awards**, 2 Best paper finalists
 - DOE Early Career Award (5-yr, \$2.5mil, 2010-15)
- Basic Research Funding
 - TRL 6.1/6.2 \$10million+
 - Sponsors: DOE, DARPA, NSF, DHS, ARL, MDA, Industry, Foundations, more
- Service
 - Program committee member, Editorial board member, Program chair
 - Steering committee member
 - ACM SIG Governing Board member

Some relevant stats for ACM SIGSIM

- Research
 - 1997 – first WSC paper
 - 1999 – first PADS paper (best paper)
- Prior PADS Service
 - PADS Steering Committee Member 2007-2011
 - PADS Program Chair 2007

Delighted to serve SIGSIM in this role
Looking forward to working with everyone

Deepest appreciation to Margaret Loper (outgoing chair)
Big shoes to fill, much to learn and catch up



1. Welcome – Message & Vision

4. Message and Vision (Kalyan Perumalla)

Message

- M&S will never go away
- Nevertheless, it will be a lot of old wine in many new bottles
 - There are plenty of new drinkers
 - Markets now demand new brands and variety of new mixes
- As a professional body, these translate to
 - Operational challenges
 - New competition, intersections
 - New opportunities, rapid changes
 - Short time windows
 - Tremendous agility

Vision: Guiding Operation Forward

To Best Collaborate, Complement, Supplement

- Adopting “passionate-yet-organized frenzy*”
- Accommodating individual initiative, collective initiative
- Adapting M&S to fundamental changes, including
 - AI/ML (disruptive change)
 - Digital Twins (new grand vistas)
 - Cloud Computing (“thou shalt use it”)
 - Hybrid Modeling (renewed interests)
 - Multiscale Modeling (renewed interests)
 - Social Relevance (necessity)
 - Agile Practices (must know)
 - Remote Interaction (new future)

*Passionate = Generate new ideas for engagement
Organized = Reconcile with ACM guidance
Frenzy = Unconstrained by a priori structure

Vision: ACM SIGSIM Organization

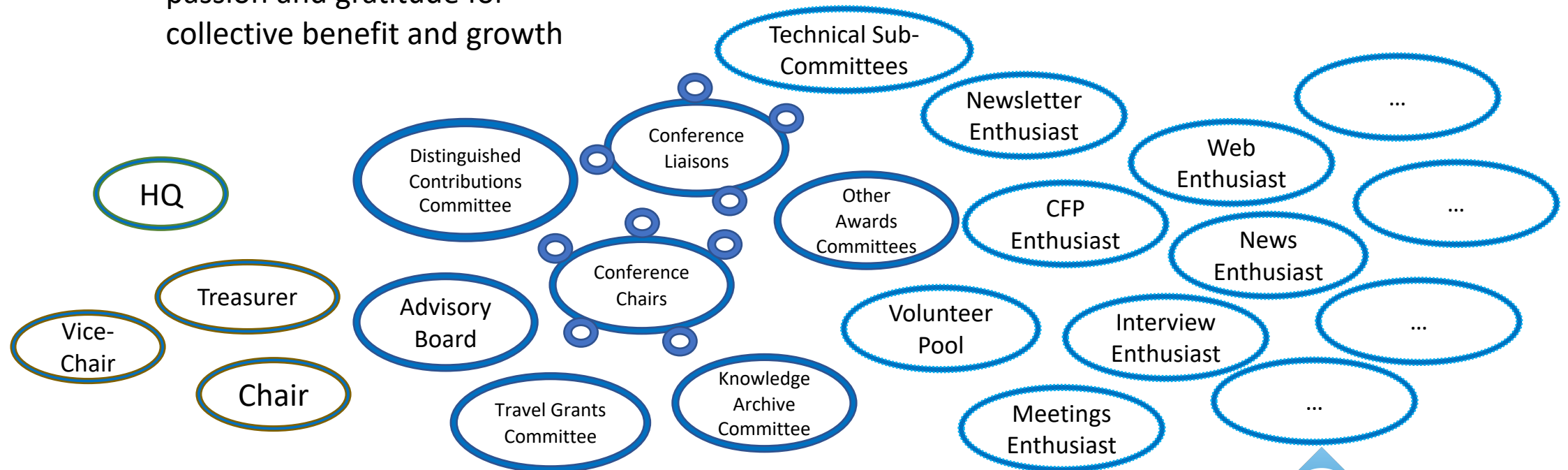
Range of Roles and Opportunities for Members

SIGSIM is a vibrant set of colleagues and volunteers offering service to their technical community out of passion and gratitude for collective benefit and growth

Context

Recall the ACM Motto

***Advancing Computing as a
Science and Profession***



**Not to scale*

Vision: Approach

Additional Foci

- Adopt concerted efforts to involve more junior members
 - Need seed corn
- Establish or further reinforce interactions
 - Peer bodies (e.g., INFORMS/I-SIM, SCS)
 - Complementary bodies (e.g., AMSE)
- Expand overall *professional* operation
- Incentivize expansion
 - Start more named (internal) roles
 - Increase outreach, publicity
- And more

Schedule of SIGSIM Meetings Forward

- Two meetings per calendar year
 - Last Friday of January
 - Last Friday of July
- For 2021, it is
 - January 29
 - July 30
- Mode
 - Virtual Meetings, for now
 - Reevaluate after July 2021
 - Perhaps virtual part will continue (hybrid)

2. Awards #1

1. Distinguished Contributions Award
 - a) Laudatio (Adeline Uhrmacher)
 - b) Award Recipient (Ernest Page)

Adeline Uhrmacher's Presentation

Laudatio from the Distinguished Contributions Award Committee



Ernest Page's Presentation

Distinguished Contributions Award Recipient



2. Awards #2

- 2. PhD Student/Colloquium Award
 - a) Award Recipient (Thomas Voß)

Awards: ACM SIGSIM Best PhD Student Award

2020 Winner

- **Thomas Voß**

Leuphana Universität


- “Dynamically Changing Sequencing Rules with Reinforcement Learning in a Job Shop System with Stochastic Influences”

https://www.leuphana.de/en/institutes/ppi/staff/thomas-voss.html

UNIVERSITY STUDY RESEARCH PARTNERS

LEUPHANA // INSTITUTES // INSTITUTE OF PRODUCT AND PROCESS INNOVATION // INSTITUTE OF PRODUCT AND PROCESS
// THOMAS VOSS

THOMAS VOSS, M.SC.



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Fon +49.4131.677-1884, thomas.voss@leuphana.de

PhD student, Junior professorship of Engineering, in particular modeling and simulation
Professorship for Manufacturing – Innovative Manufacturing

Projects Activities
Publications Press

2. Awards #3

3. Student Travel Awards

- a) Award Administrator (David Bell)

David Bell's Presentation

Student Travel Awards





SIGSIM

ACM SIG on Simulation and Modeling

SIGSIM Education Committee 2020

Dr David Bell (Chair)

Dr Simon Kent

Professor Sergio De Cesare

Dr Alan Serrano

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 **25** students to attend the Winter Simulation Conference and ACM SIGSIM PADS. 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 of the deadline.

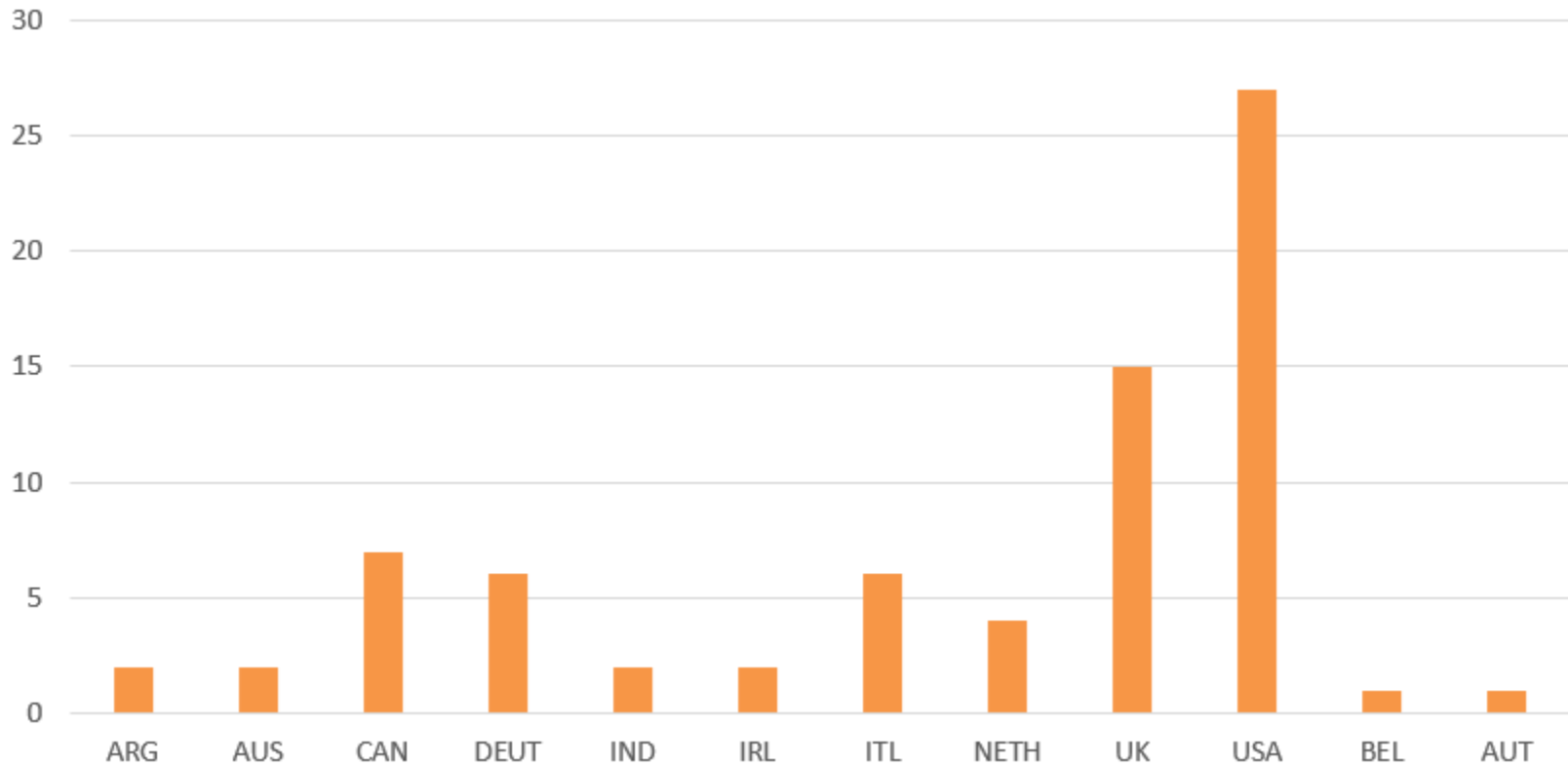
New Conference

Starting in **2020** -ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems MSWiM

No Awards in 2020

Conferences online.

Recipient Countries since WSC 2014



2. Awards #4

- 4. New Award Opportunities – Tentative
Kalyan Perumalla, Margaret Loper

New Award Opportunities in Preparation Tentative/Proposed

- Rising Star Award
- Simulation Impact Award
- Initial discussion started with HQ
- Proposal to be refined
- Will undergo SGB approval process
- Expect additional information in a few months

3. Organizational Items

1. Financial Update (Kara Olson)
2. Simulation Archive Update (Simon Taylor)
3. Membership Sustenance and Expansion (Kalyan Perumalla)

Kara Olson's Presentation

Financial Update



Budget and Finances

ACM SIGSIM

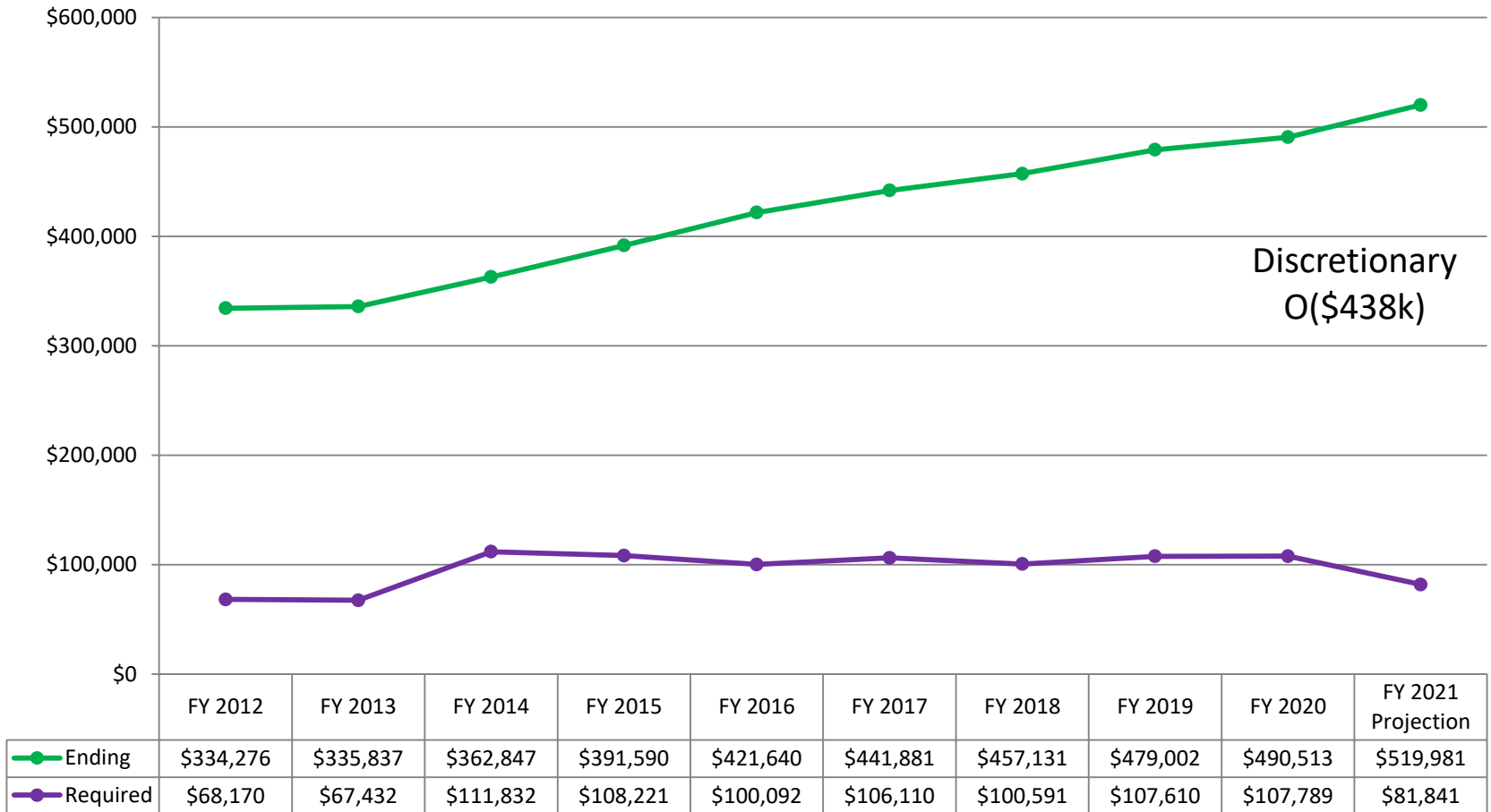
January 2021

Kara A. Olson
SIGSIM Treasurer/Secretary

Darren Ramdin
Director, Office of Financial Services



Fund Balance

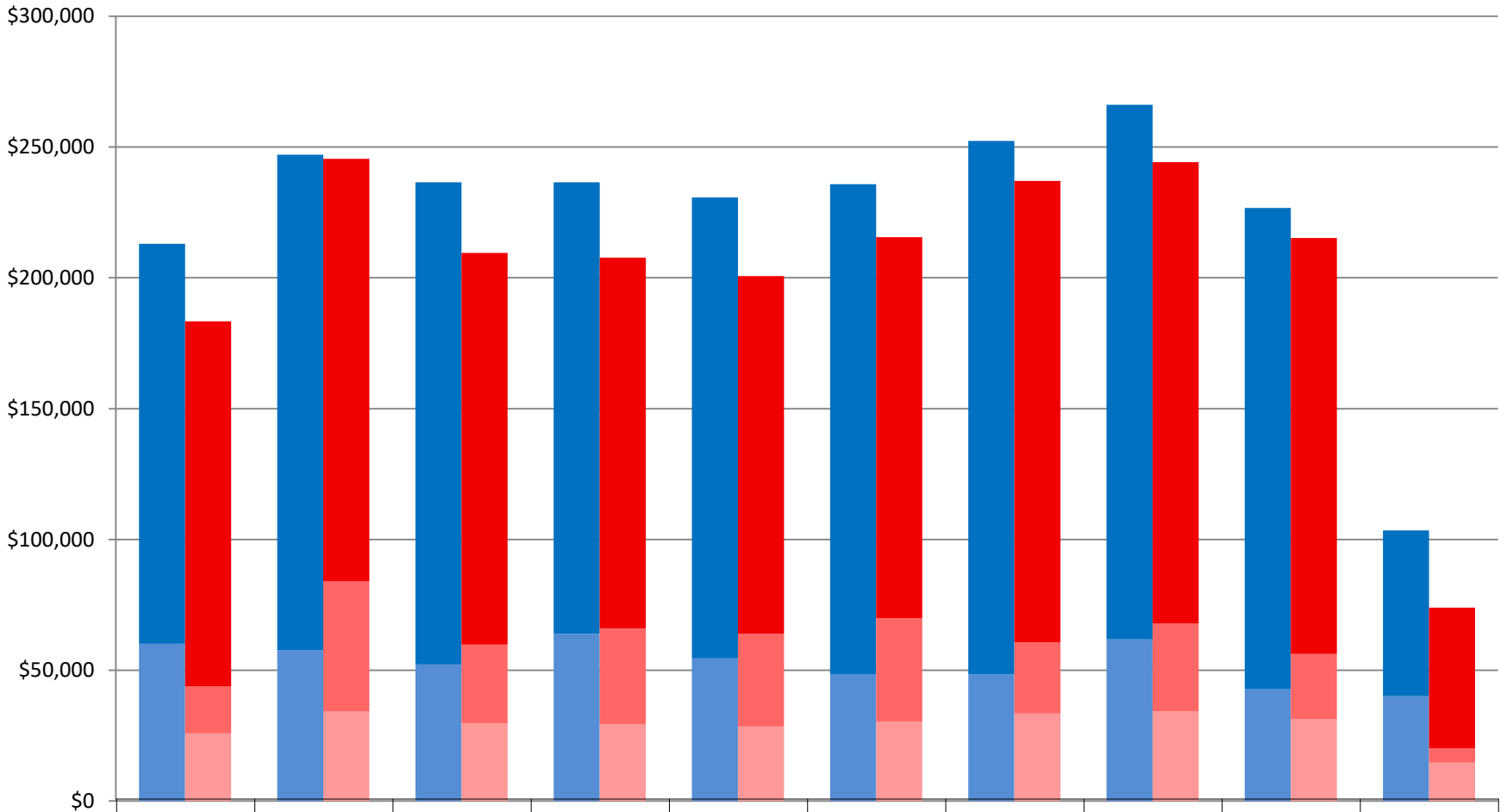


Required: ACM requires sub-units to maintain reserves against unexpected occurrences
50% of organization expenses + 40% of conference expenses

Fiscal year 2021: organization activities July 2020 - June 2021 +
conference activities March 2020 - February 2021



Total Financial Operations

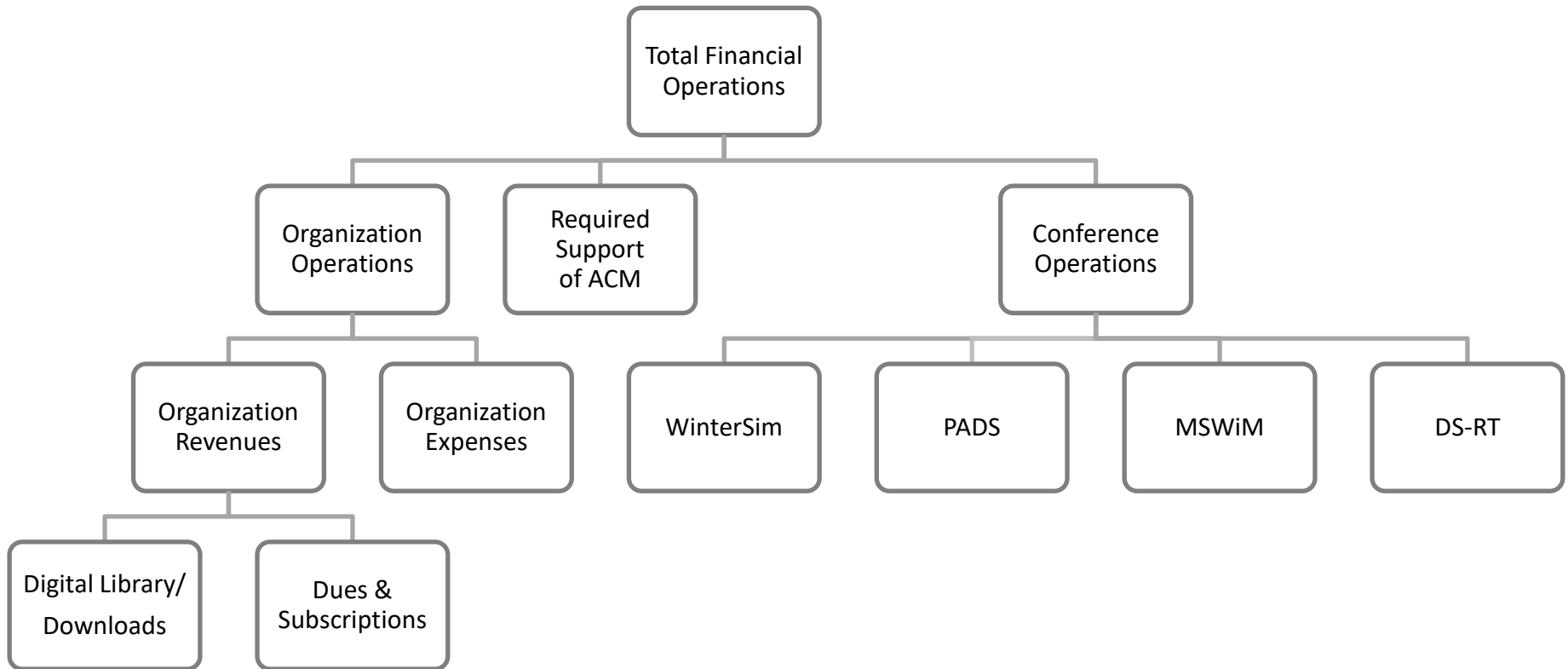


	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021 Projection
Revenues	\$212,964	\$247,055	\$236,495	\$236,516	\$230,691	\$235,816	\$252,328	\$266,115	\$226,671	\$103,462
Expenses	\$183,321	\$245,494	\$209,484	\$207,773	\$200,640	\$215,575	\$237,078	\$244,243	\$215,161	\$73,993

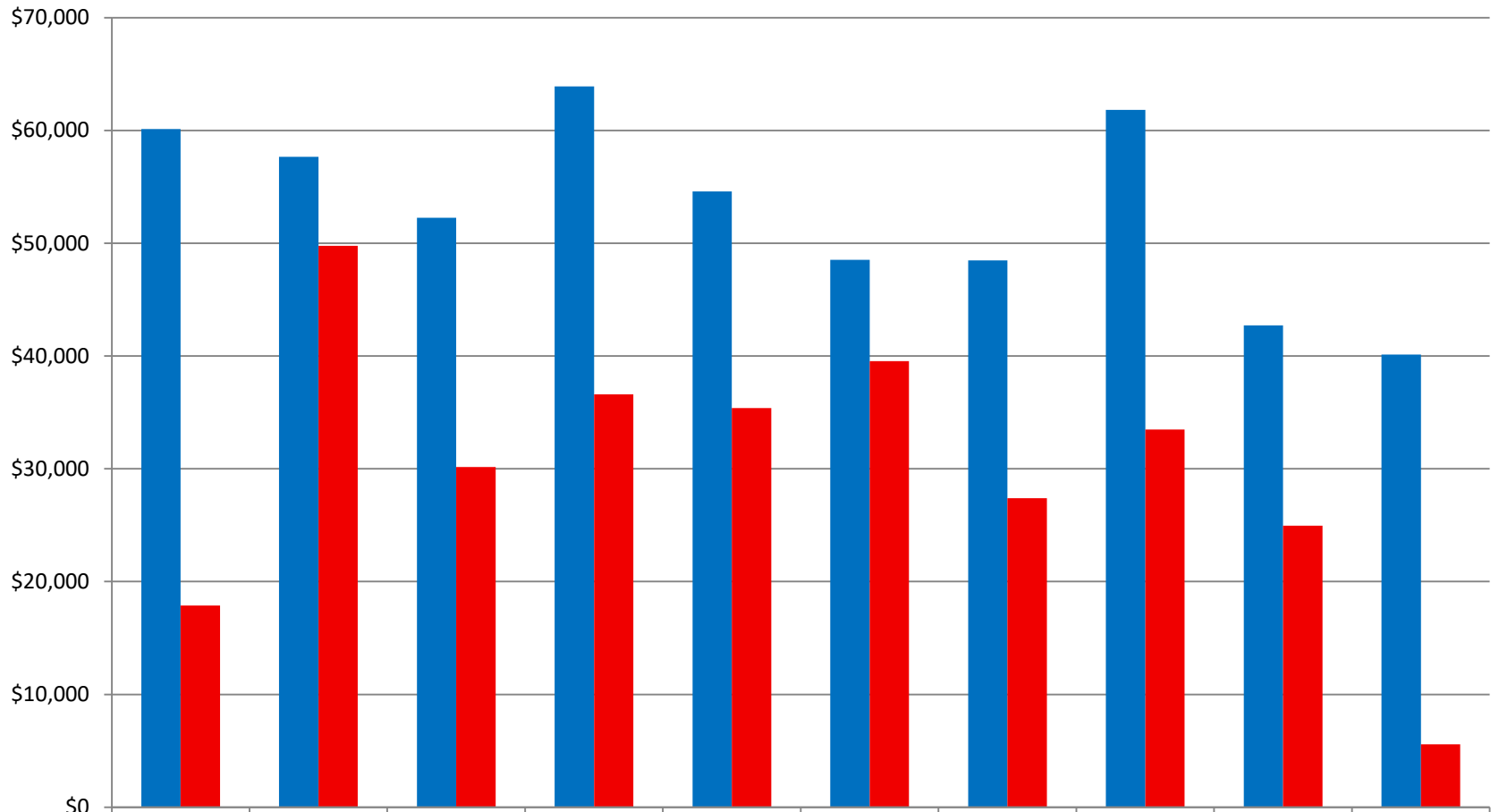
■ Conference Revenues
■ Organization Revenues (including Digital Library)

■ Direct Conference Expenses
■ Direct Organization Expenses
■ Required Support of ACM

Details



Organization Operations

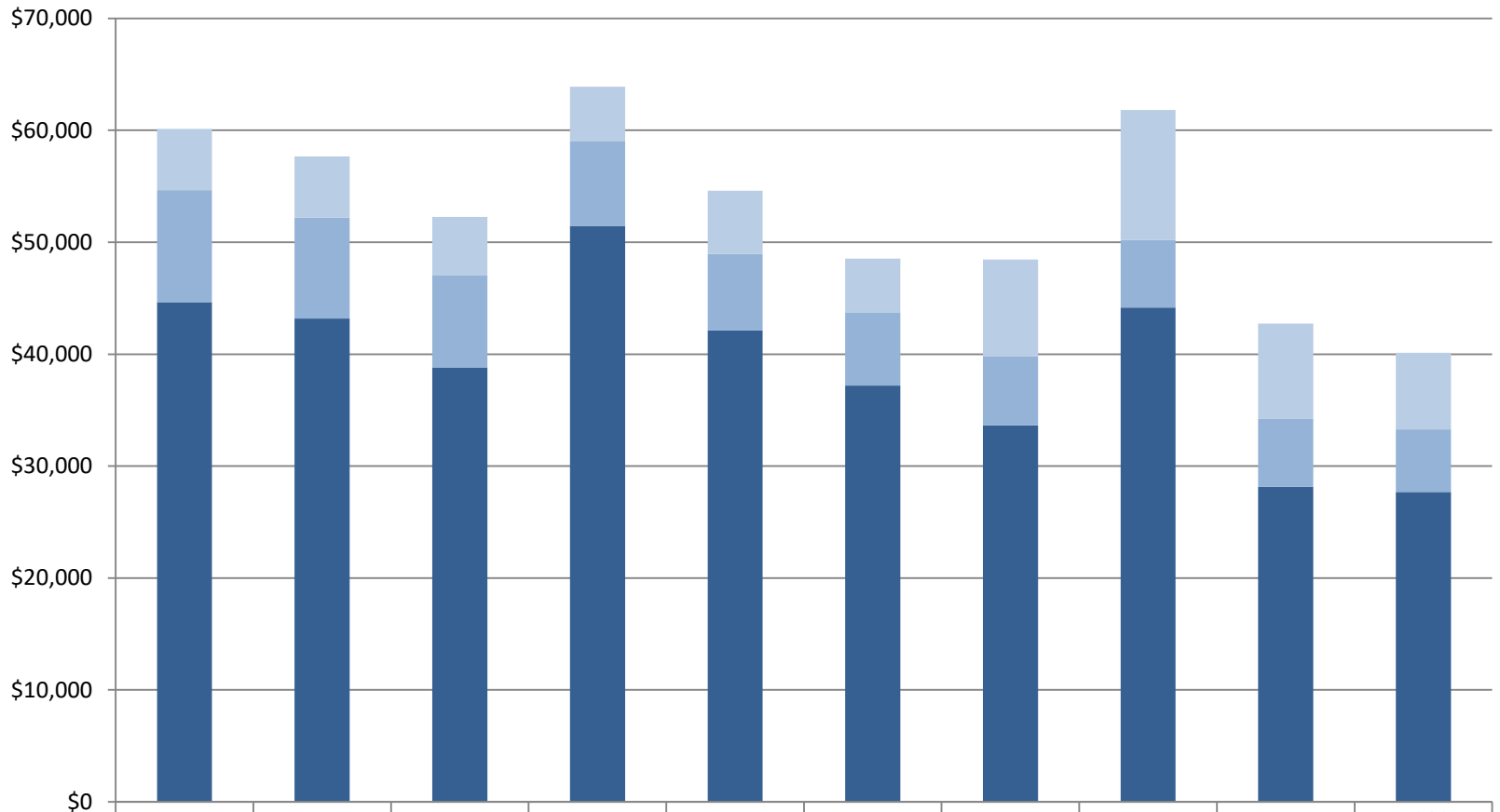


■ Revenues
■ Direct Expenses

	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021 Projection
Revenues	\$60,125	\$57,671	\$52,257	\$63,904	\$54,600	\$48,526	\$48,465	\$61,822	\$42,725	\$40,123
Direct Expenses	\$17,878	\$49,767	\$30,154	\$36,611	\$35,387	\$39,559	\$27,394	\$33,487	\$24,957	\$5,580

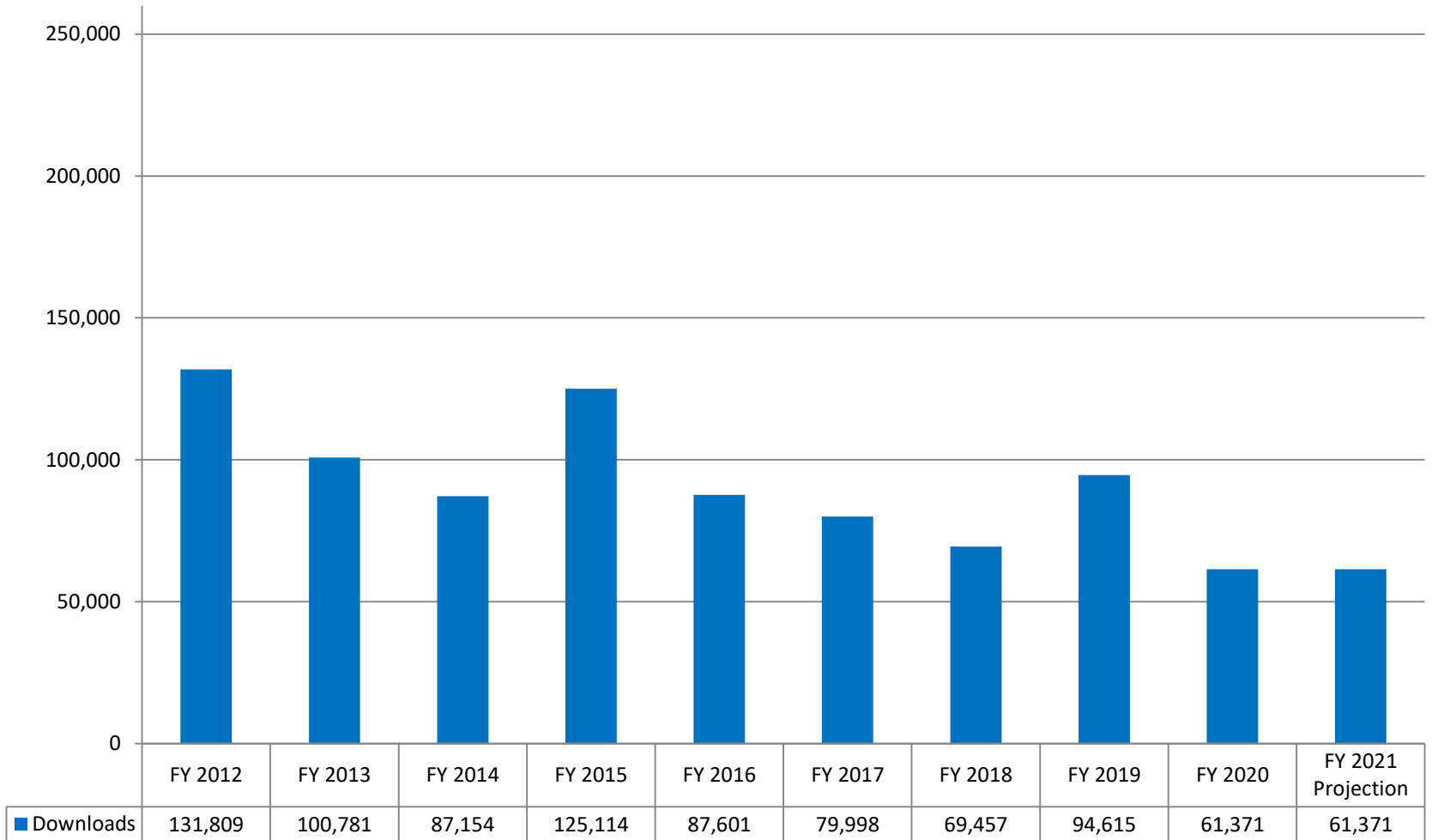
↖ FY 2013 – new student travel funding

Organization Revenues



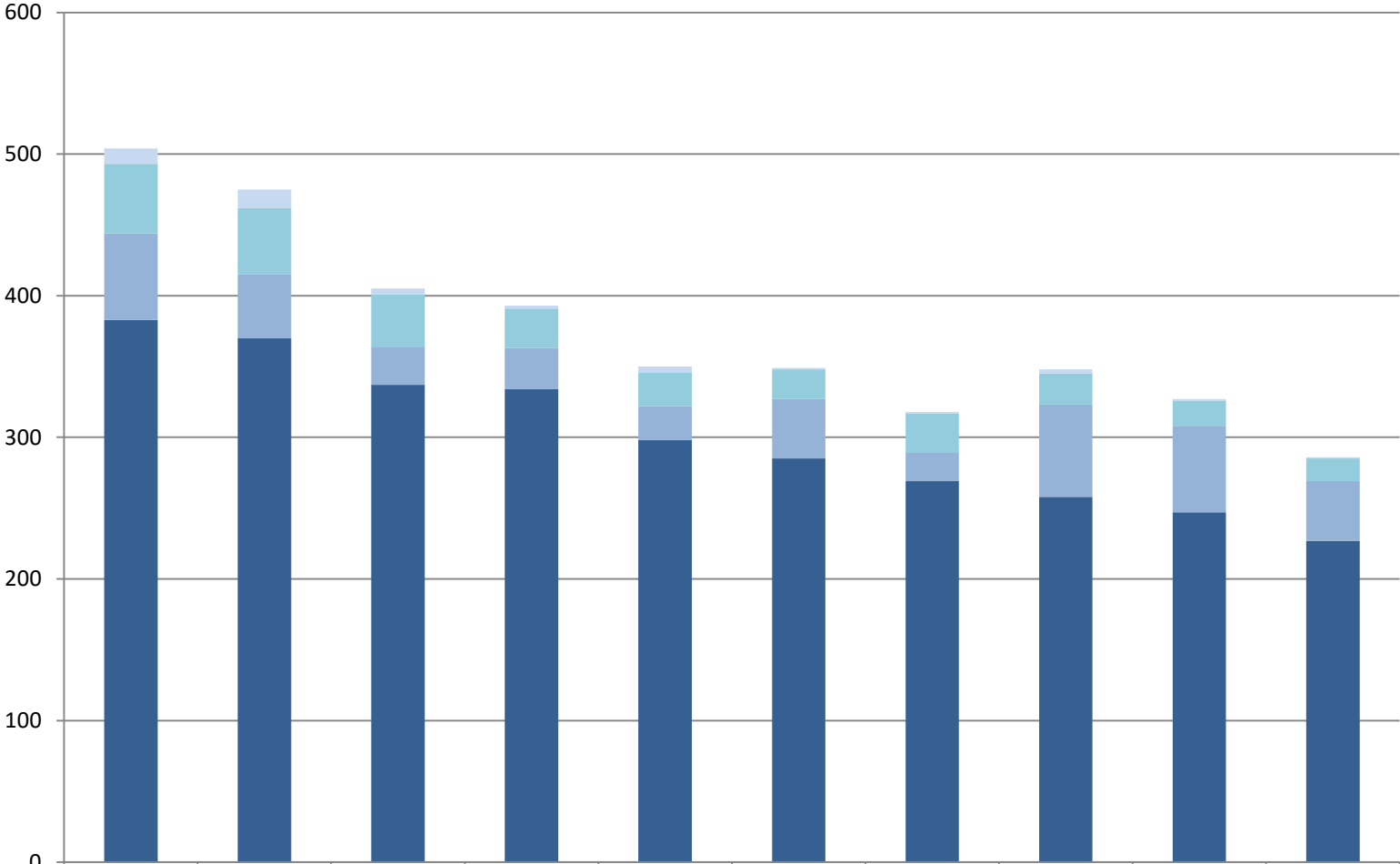
	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021 Projection
Interest and All Other	\$5,458	\$5,454	\$5,245	\$4,918	\$5,634	\$4,836	\$8,632	\$11,610	\$8,515	\$6,834
Dues & Subscriptions	\$10,018	\$9,047	\$8,194	\$7,528	\$6,861	\$6,510	\$6,188	\$6,058	\$6,059	\$5,590
Digital Library	\$44,649	\$43,170	\$38,818	\$51,458	\$42,105	\$37,180	\$33,645	\$44,155	\$28,151	\$27,699

Digital Library/Downloads



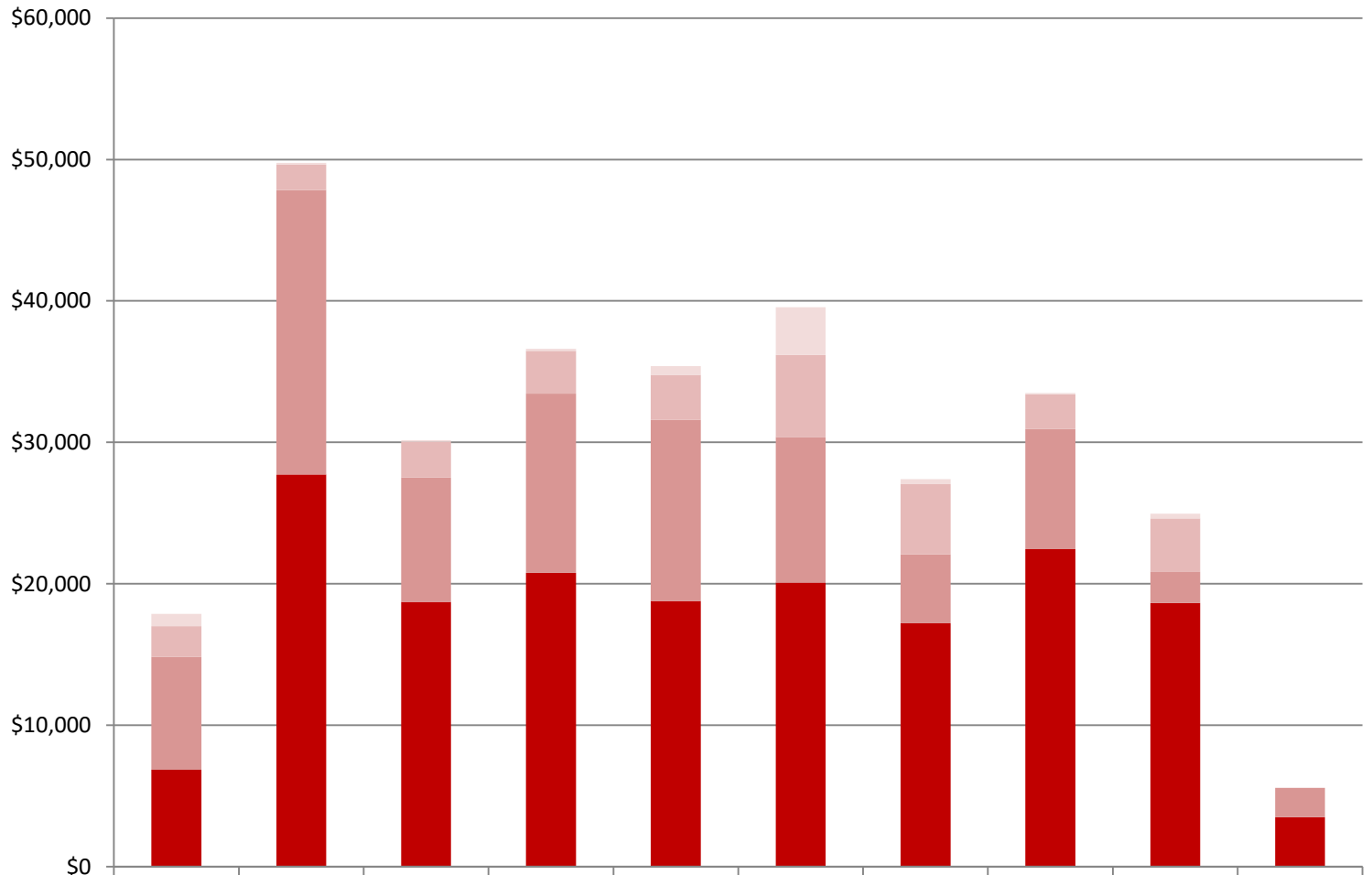
Each SIG receives income from the Digital Library based on downloads (minimum \$10K)

Dues & Subscriptions



	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021 Projection
Subscribers	11	13	4	2	4	1	1	3	1	1
Student Members	49	47	37	28	24	21	28	22	18	16
SIG-Only Members	61	45	27	29	24	42	20	65	61	42
Professional Members	383	370	337	334	298	285	269	258	247	227

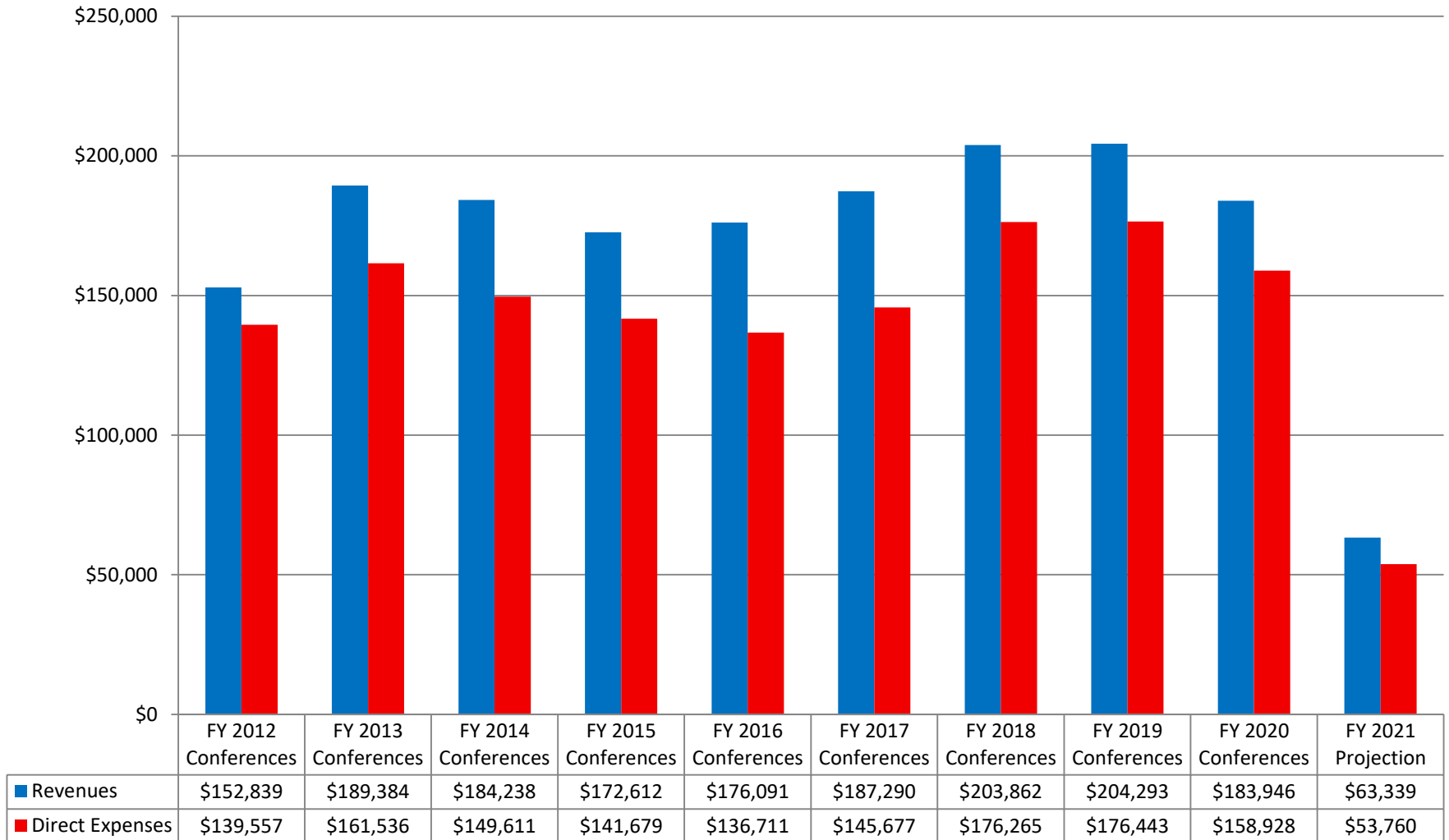
Direct Organization Expenses



	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021 Projection
All Other	\$865	\$127	\$108	\$149	\$624	\$3,388	\$353	\$83	\$327	\$0
Travel and Meetings	\$2,193	\$1,804	\$2,523	\$3,017	\$3,162	\$5,796	\$4,962	\$2,473	\$3,794	\$0
Production and Distribution	\$7,971	\$20,101	\$8,794	\$12,668	\$12,818	\$10,282	\$4,863	\$8,480	\$2,188	\$2,080
Grants, Awards, Special Projects	\$6,850	\$27,735	\$18,729	\$20,777	\$18,783	\$20,093	\$17,215	\$22,452	\$18,648	\$3,500

↖ FY 2013 – new student travel funding

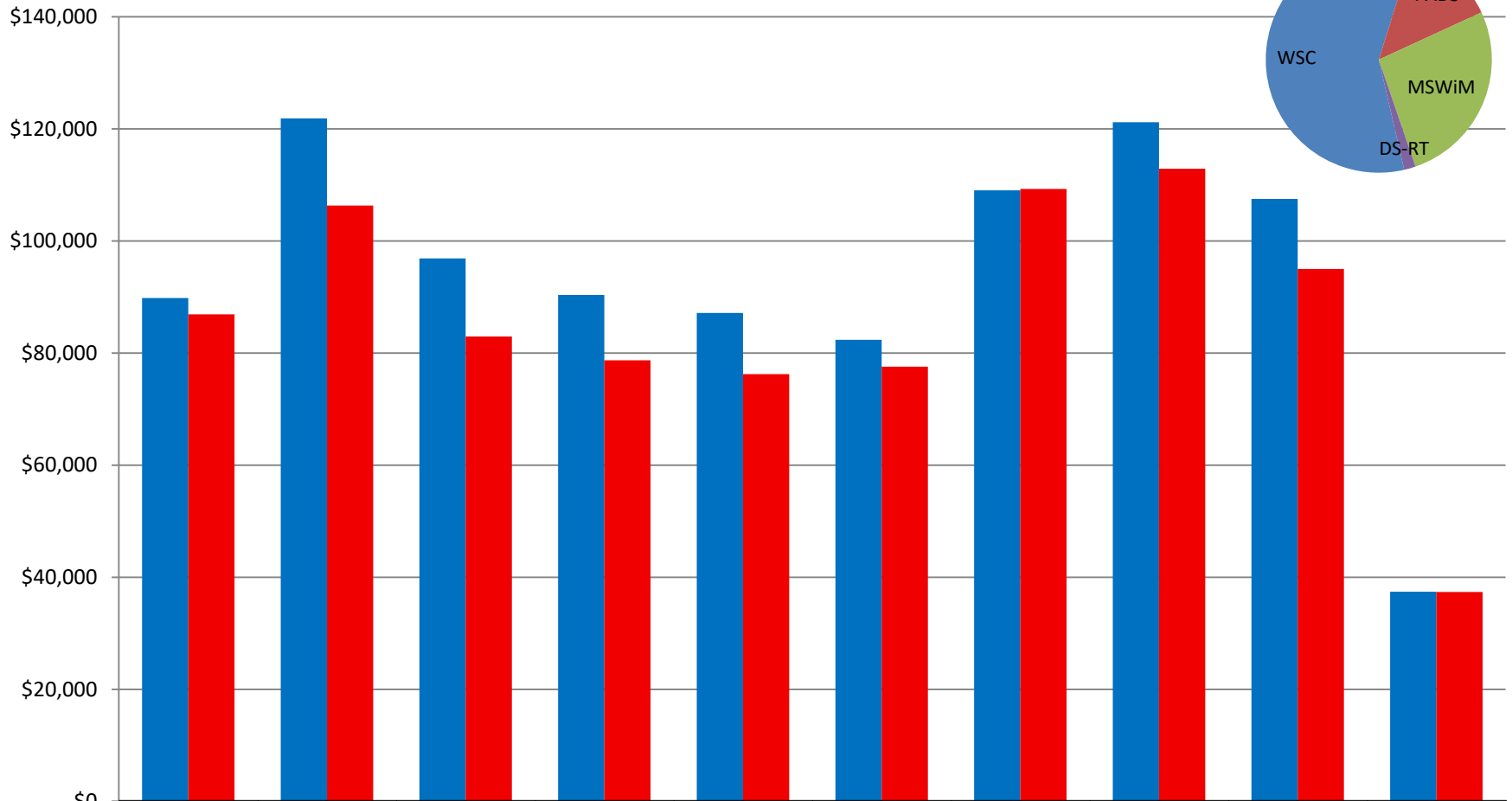
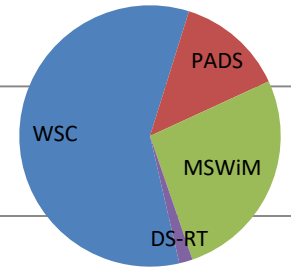
Conference Operations



Reminder: conference FY 2021: conference activities March 2020 - February 2021

Winter Simulation Conference (December)

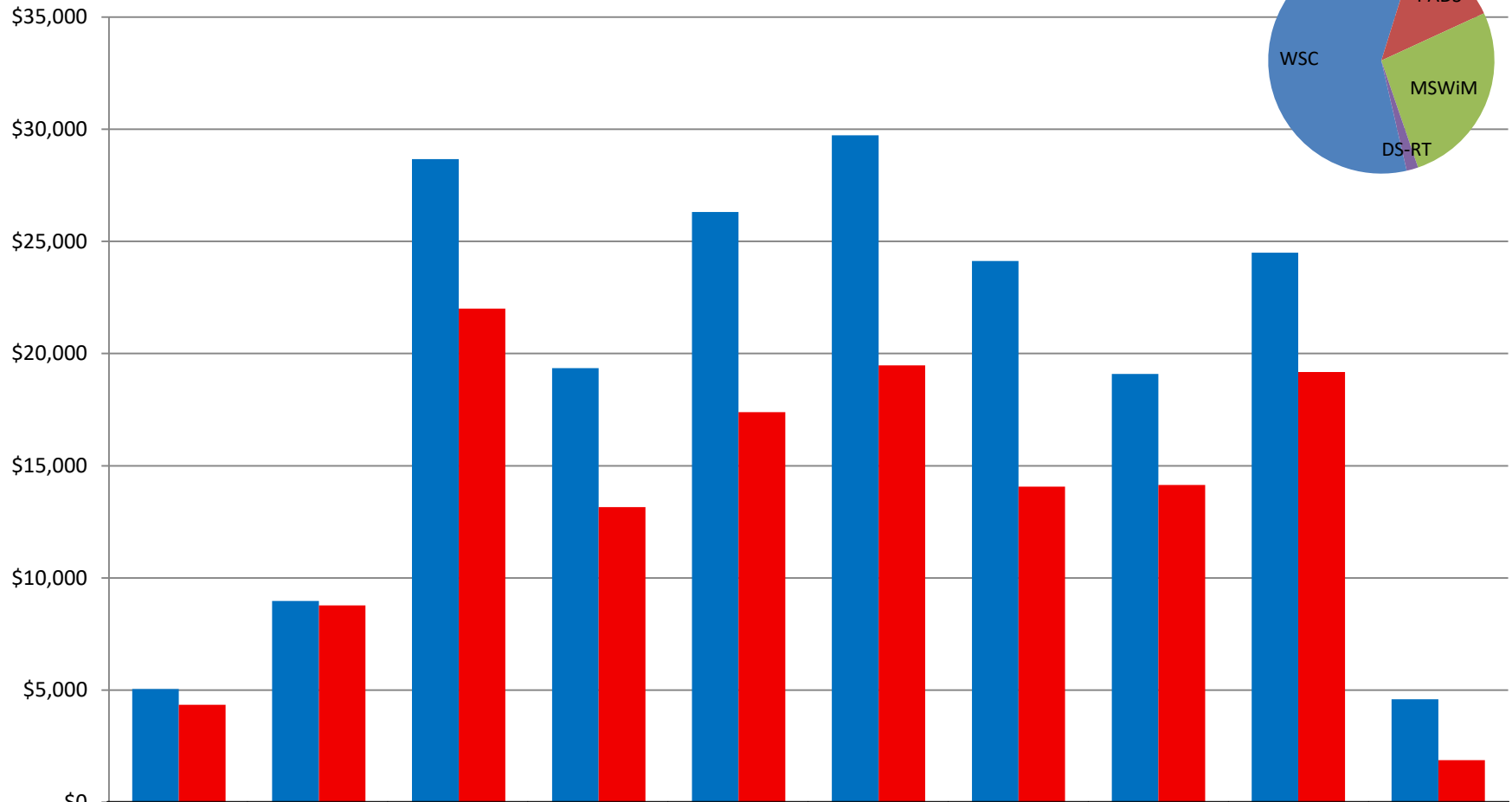
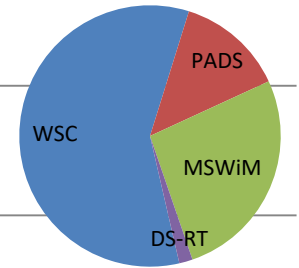
25% sponsor



	2011 Phoenix, AZ	2012 Berlin, Germany	2013 Washington, DC	2014 Savannah, GA	2015 Huntington Beach, CA	2016 Arlington, VA	2017 Las Vegas, NV	2018 Gothenburg, Sweden	2019 National Harbor, MD	2020 [Orlando, FL] Projection
■ Revenues	\$89,789	\$121,845	\$96,864	\$90,363	\$87,148	\$82,346	\$109,036	\$121,155	\$107,479	\$37,413
■ Direct Expenses	\$86,916	\$106,311	\$82,925	\$78,691	\$76,232	\$77,580	\$109,261	\$112,895	\$94,975	\$37,379

PADS – Principles of Advanced Discrete Simulation (June)

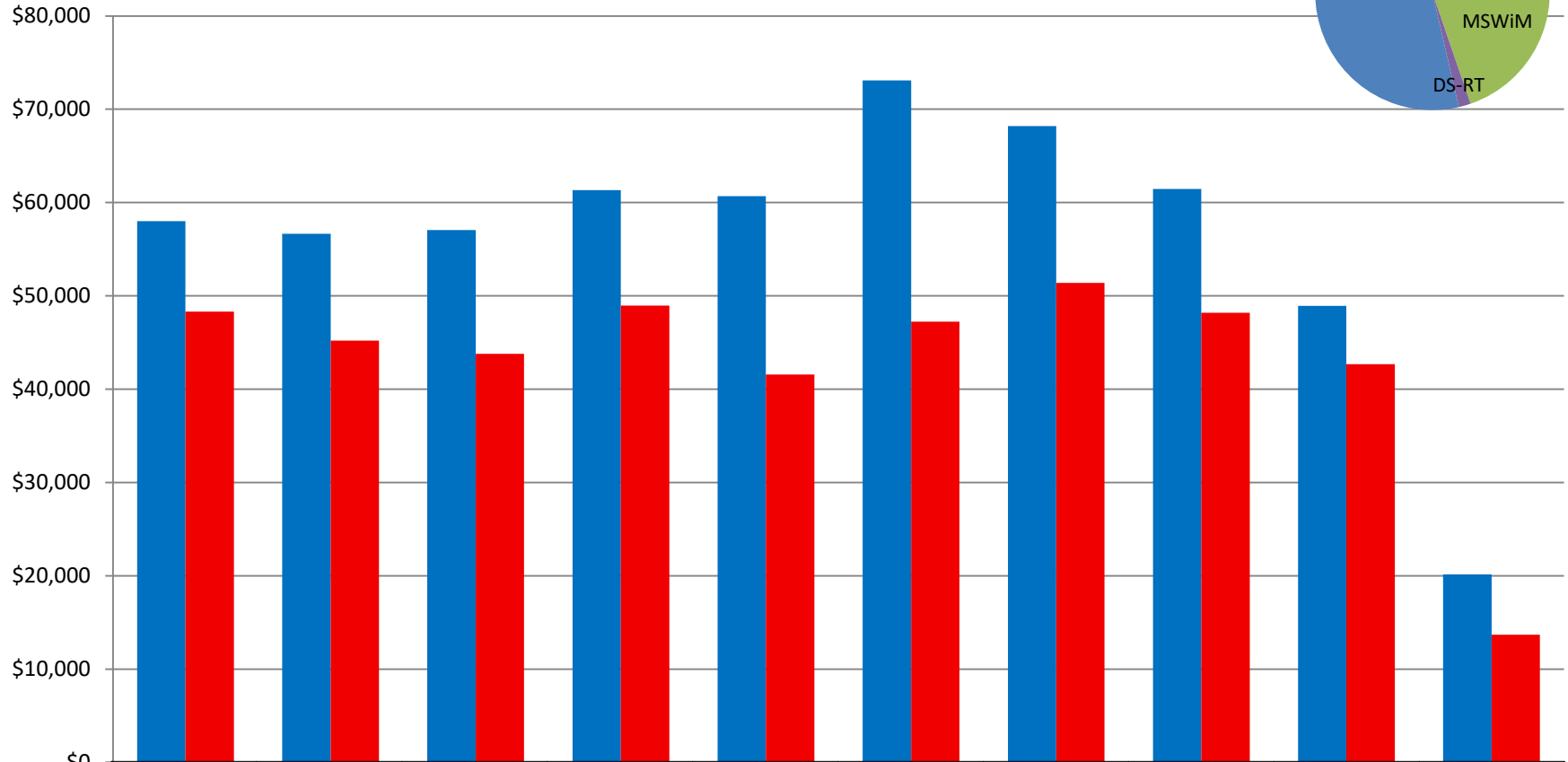
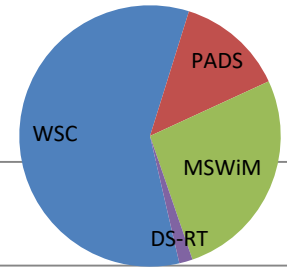
100% sponsor since 2013 (33% sponsor prior)



	2011 Nice, France	2012 Zhangjiajie, China	2013 Montreal, QC, Canada	2014 Denver, CO	2015 London, England	2016 Banff, AB, Canada	2017 Singapore	2018 Rome, Italy	2019 Chicago, IL	2020 [Miami, FL]
■ Revenues	\$5,055	\$8,974	\$28,662	\$19,350	\$26,305	\$29,720	\$24,130	\$19,097	\$24,490	\$4,600
■ Direct Expenses	\$4,345	\$8,783	\$22,000	\$13,152	\$17,384	\$19,475	\$14,067	\$14,141	\$19,182	\$1,886

MSWiM – Modeling, Analysis and Simulation of Wireless and Mobile Systems (November)

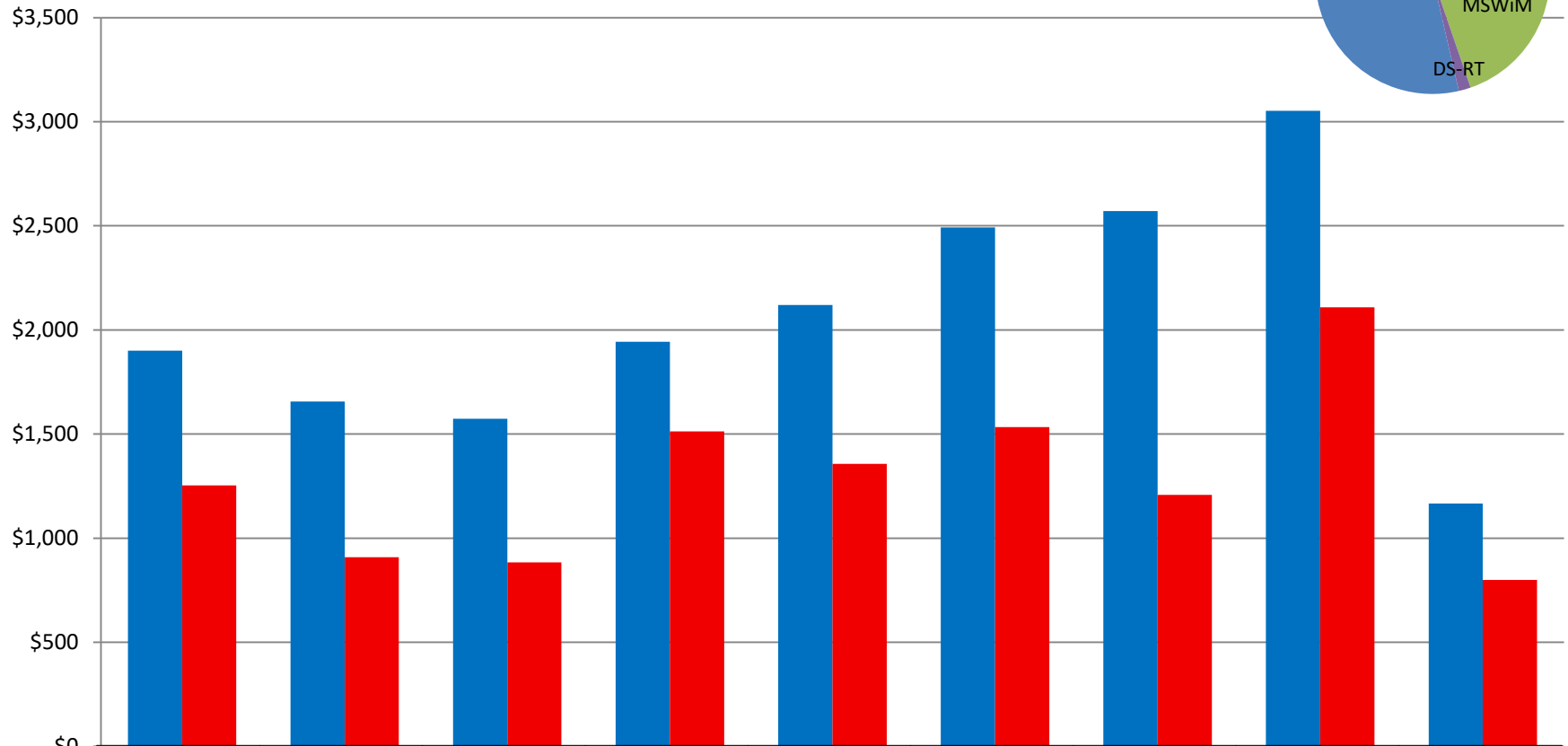
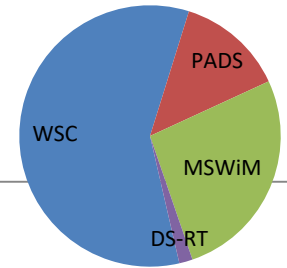
100% sponsor



	2011 Miami Beach, FL	2012 Paphos, Cyprus	2013 Barcelona, Spain	2014 Montreal, QC, Canada	2015 Cancun, Mexico	2016 Malta	2017 Miami Beach, FL	2018 Montreal, QC, Canada	2019 Miami Beach, FL	2020 [Alicante, Spain] Projection
■ Revenues	\$57,995	\$56,665	\$57,055	\$61,325	\$60,695	\$73,104	\$68,205	\$61,470	\$48,925	\$20,160
■ Direct Expenses	\$48,296	\$45,188	\$43,778	\$48,952	\$41,582	\$47,244	\$51,403	\$48,199	\$42,663	\$13,696

DS-RT – Distributed Simulation and Real Time Applications (Sept.)

10% sponsor



	2012 Dublin, Ireland	2013 Delft, Netherlands	2014 Toulouse, France	2015 Chengdu, China	2016 London, England	2017 Rome, Italy	2018 Madrid, Spain	2019 Cosenza, Italy	2020 [Prague, Czech Republic] Projection
■ Revenues	\$1,900	\$1,656	\$1,574	\$1,943	\$2,120	\$2,492	\$2,571	\$3,052	\$1,166
■ Direct Expenses	\$1,254	\$908	\$884	\$1,513	\$1,357	\$1,534	\$1,208	\$2,109	\$800



Simon Taylor's Presentation

Simulation Archive Update



Computer Simulation Archive Update – Simon Taylor, CSAAC Advisory Committee

- Computer Simulation Archive Advisory Committee:
 - R. Barton, R. Nance, D. Pegden, S.J.E. Taylor (G. Thayer, NC State Libraries)
- Archive (NC State) recent and planned activity: digitization, transcription. Of oral histories, finding aids for new acquisitions.
- CSAAC current activity: finish collection of Jim Henriksen materials, strategic plan for acquisitions, access, awareness, and funding.
- Growing list of people we would like to see in the Archive (which is accelerating!)
- No other activity like this in simulation – we have been commended by ACM
- Community access will be enhanced by transcription and digitization efforts at NC State. **Financial support of the Archive is vital.**
- Past support from I-Sim: two donations of \$5,000 (2014/8). I-SIM committed again at WSC 2020 business meeting
- Past support from I-Sim: \$5,000/year from 2012. Nothing approved in 2019. What did we decide?
- 2020/1 – would like to request a new donation from SIGSIM to support this valuable activity



Video oral history interviews with:

Russell C. H. Cheng, Ph.D.

Richard W. Conway, Ph.D.

James O. Henriksen

W. David Kelton, Ph.D.

Phillip J. Kiviat

Donald E. Knuth, Ph.D.

Averill M. Law, Ph.D.

Peter Lorenz, Ph.D.

Ole Lehmann Madsen, Ph.D.

Harry M. Markowitz, Ph.D.

William L. Maxwell, Ph.D.

Birger Møller-Pederson, Ph.D.

Special thanks to original CSAAC leadership: Bob Sargent, Dick Nance, Jim Wilson

<https://d.lib.ncsu.edu/computer-simulation/>

4. Sub-Committees

1. Technical Sub-Committees (Kalyan Perumalla)
2. Enthusiast Sub-Committee (Kalyan Perumalla)

Technical Sub-Committees

New, In preparation

- CACM Highlights Sub-Committee
- AI and Sim Sub-Committee
 - Sim in AI
 - AI in Sim
- Digital Twin Sub-Committee

Please watch for application links with instructions to be shared in a few months

Enthusiast Sub-Committee

- Primarily targeted for service roles for junior members
 - -2 to +3 years from PhD
 - -1 to +1 years from MS
 - Exceptions for more senior members considered
- Multiple categories
 - CFP
 - News
 - Interview
 - Web
- Service Recognition Certificates
 - Awarded annually

Please watch for application links with instructions coming in next few months

5. Community Presence

1. SIGSIM Newsletter (Kalyan Perumalla)
2. SIGSIM Representation in Conferences (Kalyan Perumalla)

6. Conference Reports

1. PADS (Philippe Giabbanelli)
2. MSWiM (Carlo Gianelli)
3. WSC (Charles Macal)
4. DS-RT (Carlos Calafate)
5. SimAUD (David Gerber/Gabriel Wainer)

	Regular submissions	Invited submissions	Rejected	Acceptance rate	PhD Colloquium	
<u>General chair:</u> Kevin Jin <u>Program chairs:</u> Jason Liu, Sanjay Kale <u>PhD Colloquium chair:</u> Philippe Giabbanelli	PADS'19	24	8	13	≈60%	15 accepted out of 20
<u>General chair:</u> Jason Liu <u>Program chairs:</u> Philippe Giabbanelli, Chris Carothers <u>PhD Colloquium chair:</u> vacant, then Kevin Jin	PADS'20	36 (+50 %)	0	18	50%	4 accepted out of 4
<u>General chairs:</u> Saikou Diallo, Andreas Tolk <u>Program chair:</u> Philippe Giabbanelli <u>PhD Colloquium chair:</u> Hamdi Kavak	PADS'21	31 <u>abstracts</u> Submission deadline Feb 14 th	0		< 50%?	
Objective: exceed last year's numbers. Provide a community-building platform. Challenges: COVID-19, so some expected papers will not come; competing conferences overlap (ICCS)						

Financial support includes SIGSIM, which provides travel grants for international students (applicable to PADS'19).

For students in US-based universities, Jin & Giabbanelli have an NSF grant used in PADS'19 and renewed. Not applicable to PADS'20 or PADS'21, but extended to cover five students to travel to PADS'22 wherever it may be. Limit of \$1,000 per student.

Some brief info about MSWiM 2020

- 100 submissions in all areas of mobile and wireless systems
- Papers from all regions in 32 countries; reflects the worldwide visibility and the international profile of MSWiM
- Most addressed topics of MSWiM 2020:
 - Wireless Communication and Networks, Network Simulations and Simulators, Performance Evaluation, and Ad Hoc Networks
 - Confirm that the focus of the conference is on modeling, analysis and simulation of mobile and wireless networks
- Each paper received at least three reviews
 - 24 full papers (acceptance rate 24%)
 - + 6 short papers
- Single-track conference
- Done virtually due to the COVID-19 pandemic



WINTER SIMULATION CONFERENCE

WSC 2020 Quick Summary

Charles “Chick” Macal

ACM Rep #2 to WSC Board

Bottom Line: WSC 2020 Regarded as a Great Success!

- Tremendous challenges due to shifting to 100% virtual conference
- Attendance good
- Papers good (quantity, quality)
- \$\$ in the black



WINTER SIMULATION CONFERENCE

SIMULATION DRIVES INNOVATION

Virtual Conference | December 14–18, 2020

WSC 2020 is sponsored by ACM/SIGSIM, ASA (Technical Co-Sponsor), ASIM (Technical Co-Sponsor), IEEE/SMC (Technical Co-Sponsor), IISE, INFORMS-SIM, NIST (Technical Co-Sponsor), SCS, and ORS (UK, Technical Sponsor).

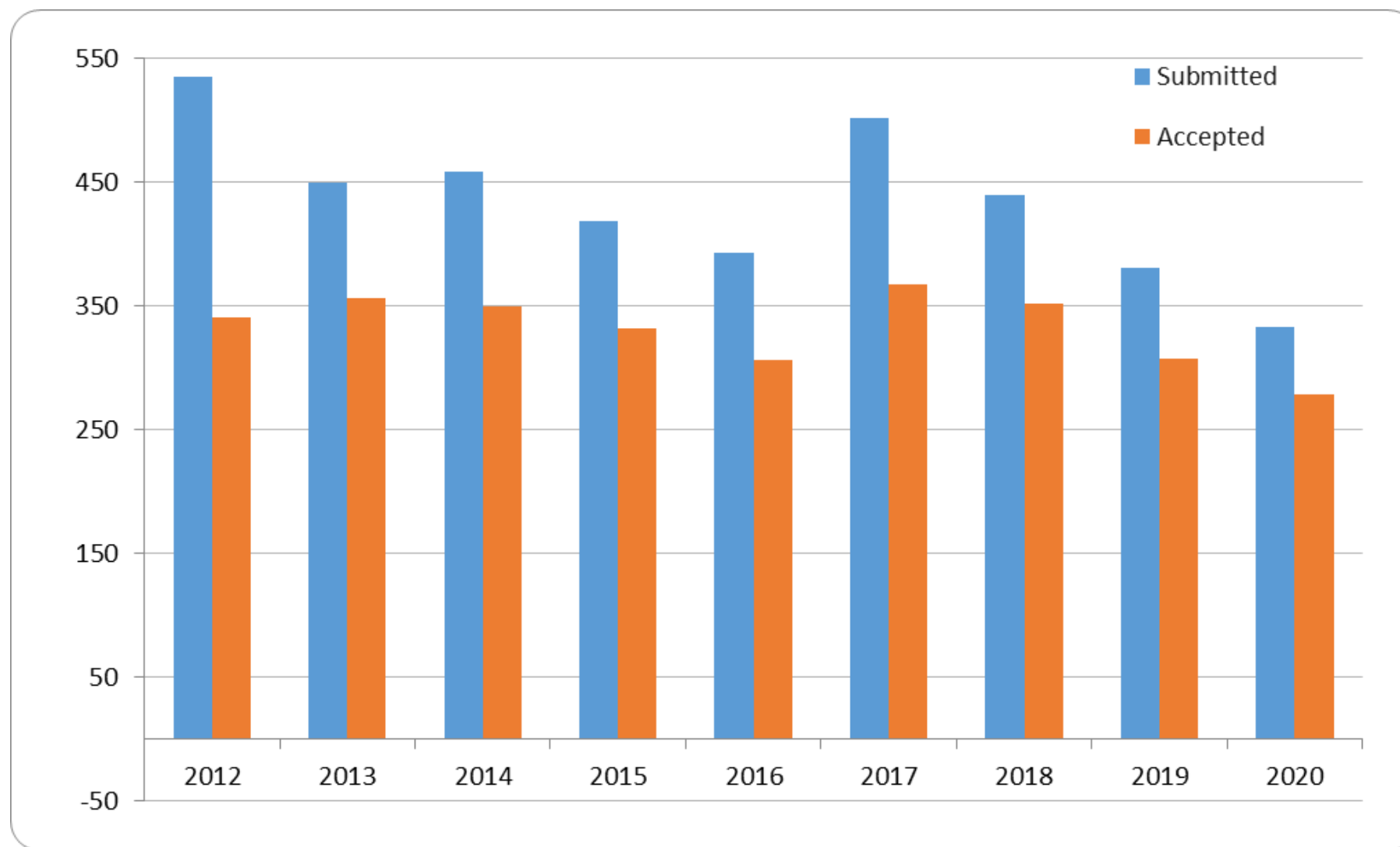
WSC 2020: A summary of the journey

- ❑ *Jan/Feb* – On track to be the best WSC ever
- ❑ *March* – Slight panic begins to set in
- ❑ *April/May* – Planning slows down and we assure authors that WSC 2020 will occur one way or another. Create two different budget models. Add COVID case study track since simulation is being widely used to study the impacts of this virus
- ❑ *June/July* – Begin exploring virtual platforms and then wait for final decision on hybrid vs 100% virtual. Most conference planning halts while program work continues close to normal
- ❑ *August* – Announce 100% virtual and new 5 day format. Pick GTR as platform provider. Planning can now slowly begin. **Hotel negotiations complete...success!**
- ❑ *Sept* – **Sign final contract with GTR.** Decide on **new registration rates, new sponsorships, exhibitor rates,** etc.
- ❑ *Oct* - Meet GTR staff, begin learning about the virtual experience and finally get access to platform on Oct 26th. Decide what format program will take (pre-recorded/live Q&A)
- ❑ *Nov* – A lot of work getting platform setup and ready. Decide **what is needed from Omnipress** this year and sign new quote. **Decide to use AV** for 5 live keynote session to ensure professional delivery.
- ❑ *Dec* – All the normal (?) last minute tasks. We are ready!

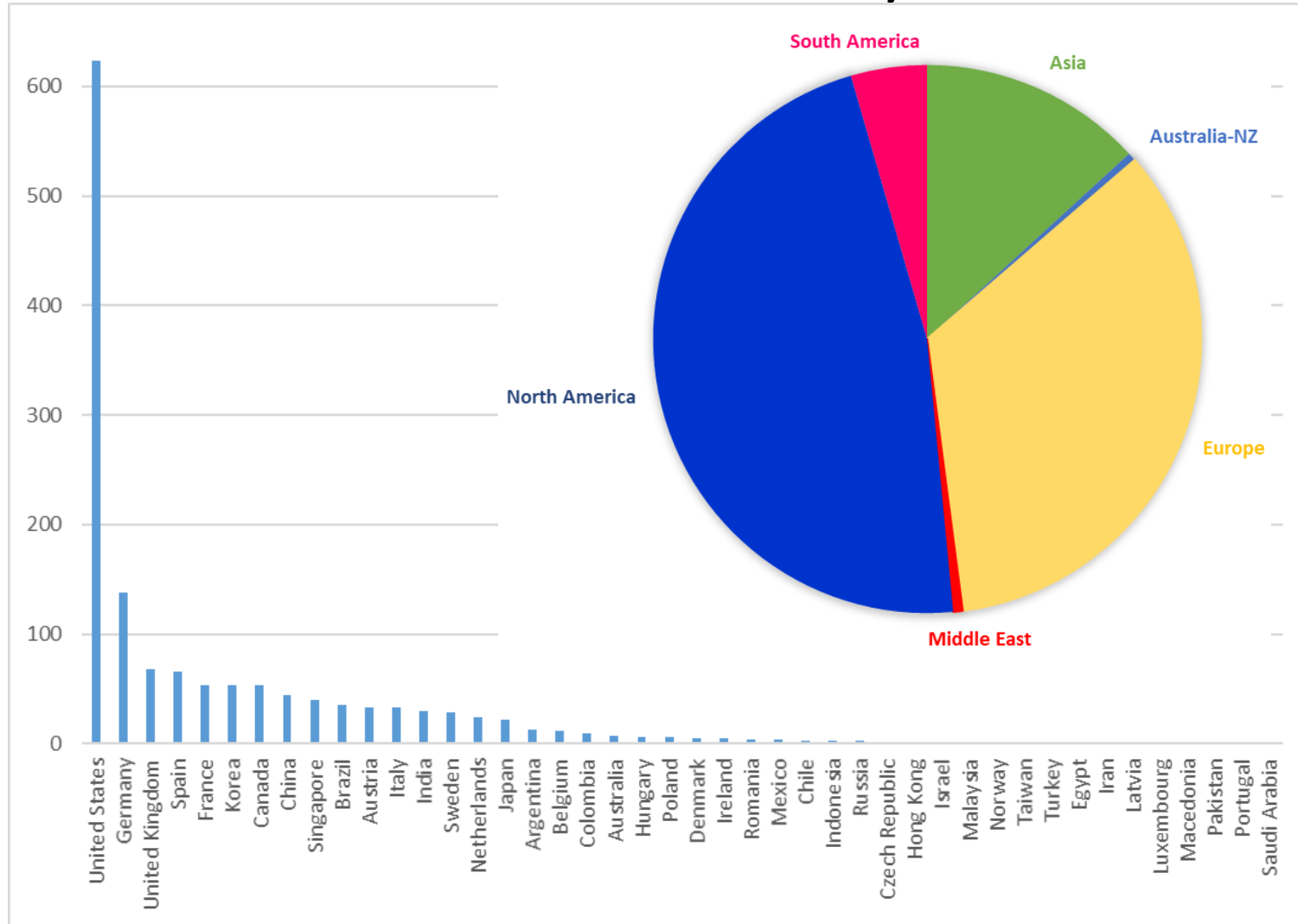
WSC 2020 Comments – logistics

- What an unexpectedly different year!
- Number of papers
 - Contributed papers are about the same as last year:
2019: 244, 2020: 253
 - Invited papers are dramatically down from previous years:
2019: 136, 2020: 80
 - COVID case studies track: 17 submissions
- Attendance:
- Deadlines for everything pushed back at least 3 weeks
- No program book made the final push much easier

WSC 2020 Papers Submitted/Accepted



WSC 2020 Authors Country of Residence



- Includes repeat and non-lead authors of all submissions

The People Who Made WSC 2020 a Great Success!



Renee Thiesing

General Chair

Renee Thiesing, Simio LLC

Program Chair

Theresa Roeder, San Francisco State University

Business Chair

Christine Harvey, MITRE Corporation

Board Liaison

Jeff Smith, Auburn University

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Mobile App Chair

Raymond Smith, North Carolina State University

Golf Tournament Chairs

Jeff Joines, North Carolina State University

Jeff Smith, Auburn University

WSC Moving Forward

- We learned some good things about how to effectively put on a conference that meets people's conference needs moving forward
- Virtual/In-Person for 2021?
- International/Domestic Travel Restrictions (COVID, \$\$, Zero-Carbon)
- Venue Commitments and Legacy Issues

Winter Simulation Conference 2021

Simulation for a Smart World: From Smart Devices to Smart Cities

December 12-15, 2021

JW Marriott Desert Ridge, Arizona

General Chair

Margaret Loper, Georgia Tech Research Institute

Program Chair

Claudia Szabo, University of Adelaide

Business Chair

Nav Mustafee, University of Exeter

Board Liaison

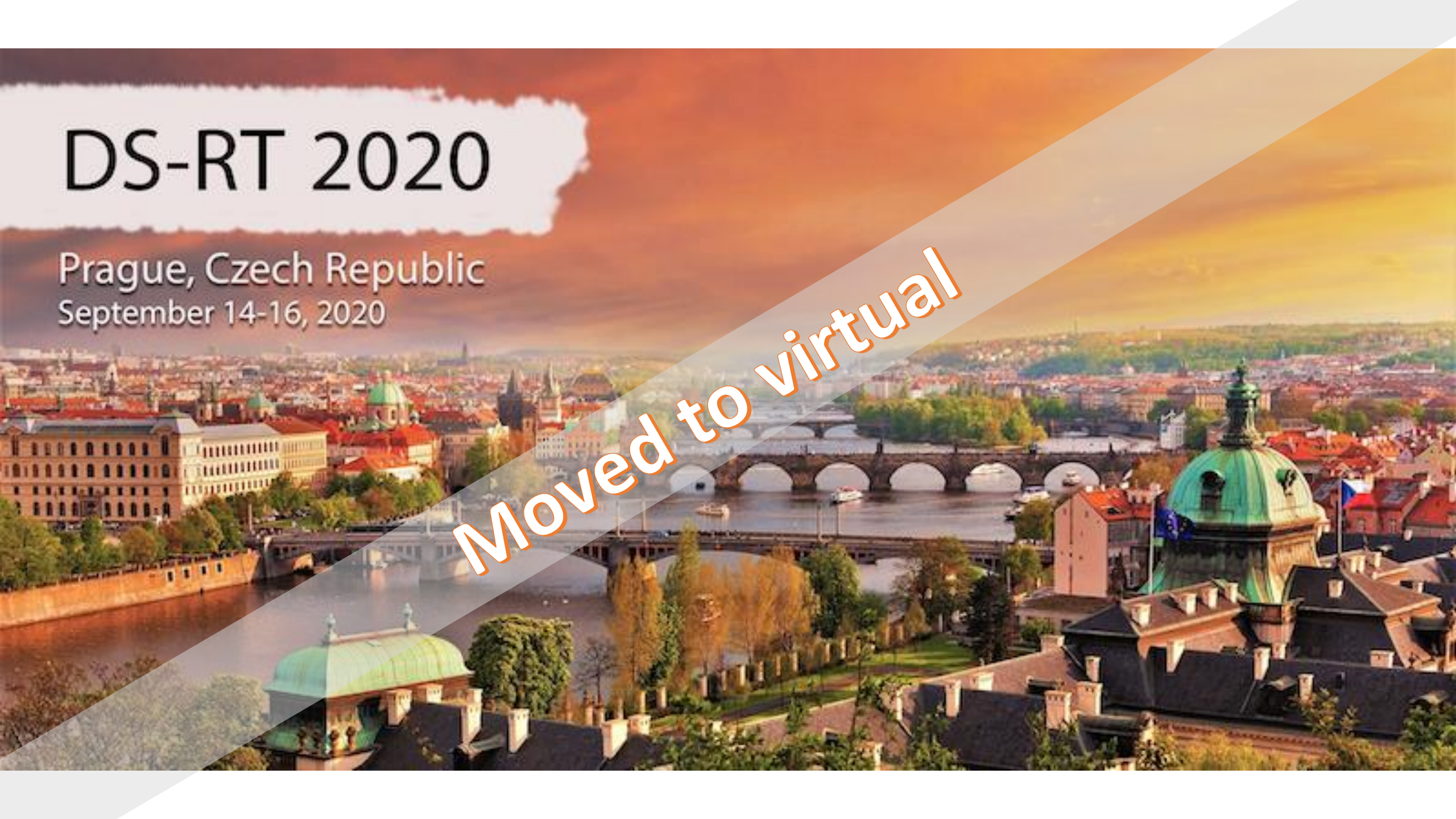
Andreas Tolk, MITRE Corporation



DS-RT 2020

Prague, Czech Republic
September 14-16, 2020

Moved to virtual



DS-RT 2020

General Chair



Professor Miroslav Vosňák

VSB-Technical University of Ostrava, Czech Republic

TPC Chairs



Professor Floriano de Rango

University of Calabria, Italy



Professor Carlos T. Calafate

Technical University of Valencia, Spain

DS-RT 2020

Monday September 14, 2020		Tuesday September 15, 2020		Wednesday September 16, 2020	
10:30-11:00	Testing session (solving technical issues)	10:00-10:30	Testing session (solving technical issues)	10:00-10:30	Testing session (solving technical issues)
11:00-11:15	Opening Session	10:30-11:15	Keynote 2 <i>prof. Gregory Zacharewicz</i>	10:30-11:15	Keynote 3 <i>prof. Nikolay Kuznetsov</i>
11:15-12:00	Keynote1 <i>Prof. Ivan Zelinka</i>	11:15-11:30	Coffee break	11:15-11:30	Coffee break
12:00-12:15	Coffee break				
12:15-13:45	Session 1	11:30-13:00	Session 4	11:30-13:00	Session 7
13:45-14:45	Lunch	13:00-14:00	Lunch	13:00-14:00	Lunch
14:45-16:15	Session 2	14:00-15:30	Session 5	14:00-15:30	Session 8
16:15-16:30	Coffee break	15:30-15:45	Coffee break	15:30-15:40	Coffee break
16:30-18:00	Session 3	15:45-17:15	Session 6	15:40-16:00	Closing Session, Best Papers Award Announcement



- Single session
- ~30 attendants per session
- Active participation

DS-RT 2020

- 10% ACM SIGSIM sponsorship
- Statistics
 - 91 submissions
 - Main Track: 56 submissions
 - Special sessions: 35 submissions
 - ≥ 3 reviews per paper
 - Final program
 - 24 regular papers (acceptance ratio: 26,4%)
 - 8 short papers

2019 statistics:

- 100 submissions
 - 32 regular papers (acceptance ratio: 32%)
 - 12 papers short papers

DS-RT 2021

*Valencia, Spain
September 27-29, 2021*



DS-RT 2021

General Chair



Professor Carlos T. Calafate
Technical University of Valencia, Spain

TPC Chairs



Professor Floriano de Rango
University of Calabria, Italy



Prof. Gregory Zacharewicz
National Institute of Mines and Telecom., France

DS-RT 2021

- 25th edition
- <http://ds-rt.com/2021/home>
- IEEE / IEEE CS / ACM SIGSIM sponsorship requested (pending)
 - ACM SIGSIM sponsorship increased from 10% to 20%
- Planning: standard conference (physical attendance)
- Maintain acceptance rates below 30%
- Dates:
 - Paper submission deadline: May 5th, 2021
 - Special Session Paper submission deadline: May 30th, 2021
 - Notification of acceptance: Beginning of July
 - Camera-ready deadline: End of July
 - Conference: September 27-29, 2021

7. Conference Leadership Confluence

1. Virtual Meeting Best Practices
2. SIGSIM Community Presence
3. Business Meetings in Conferences
4. Conference Steering Committee Elections
5. Additional Topics

8. Adjourn

Adjourn

- This and other presentations will be posted on the meeting web page
- Questions?
- Please do feel free to communicate back to chair@sigsim.acm.org
 - What went well or didn't go well
 - What you wish/recommend continued or discontinued or started new
 - What is impressive or unimpressive
 - How you would wish to participate in SIGSIM activities
 - What, if any, roles/collaborations/coordination/enabling that are missing
- Just about any constructive criticism is welcome
- Remember to watch for enthusiast applications
- Stay connected and spread the good word
 - See "How to Join SIGSIM" on sigsim.acm.org
- Thank you!