

# ACM Volunteer Structure

Erik Altman

Chair, SIG Governing Board (SGB)

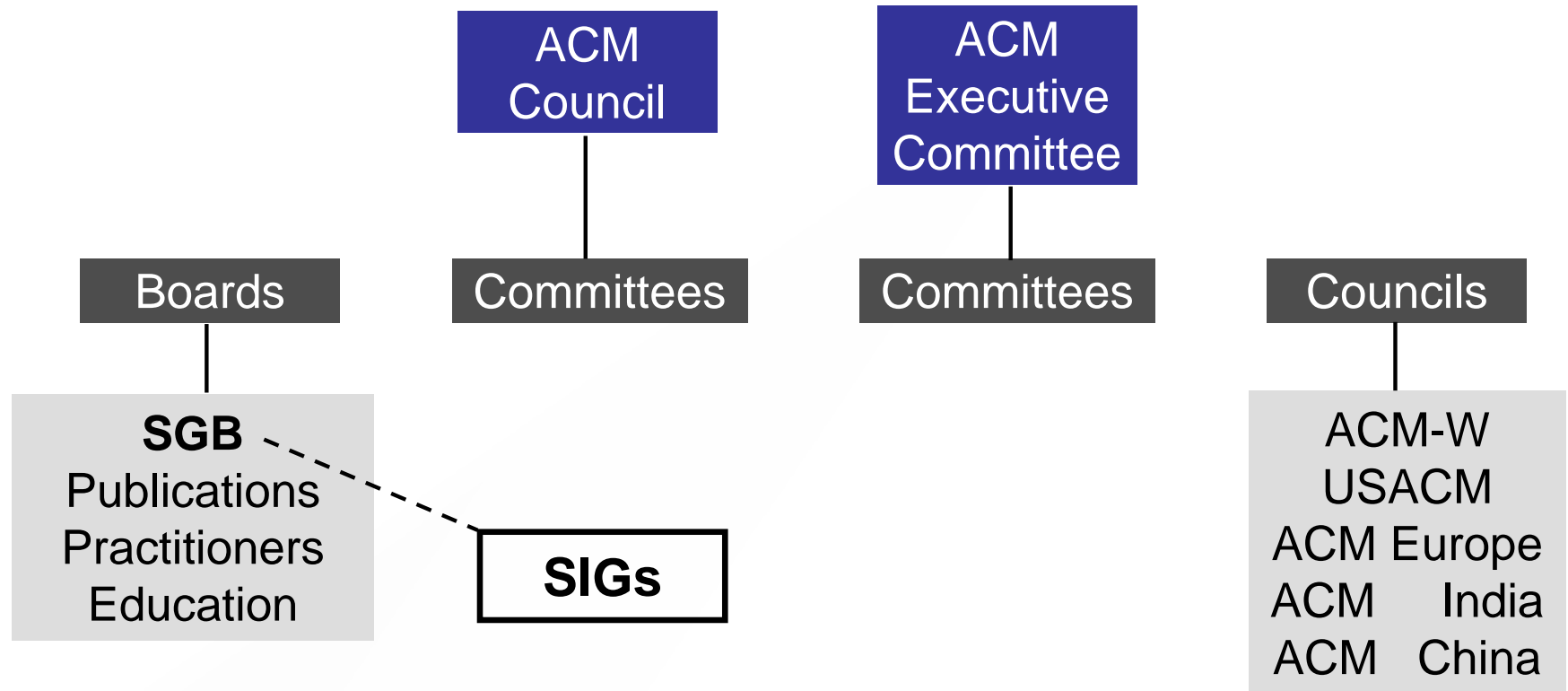


# Goals for this Session

- Overview of volunteer leadership for all of ACM
  - where decisions are made
  - where to go with ideas/needs
  - how things work to explain to your members
- Specific details on the SGB and SIG governance
  - how to get things done
- Some recent SGB activities



# Overall ACM Structure



# Starting at the Top

- ACM Council
  - Final authority on all ACM policy decisions.
  - Approves all major new initiatives.
  - Approves annual ACM budget.
  - etc.
- ACM Executive Committee
  - Handles operational governance



# Goals for this Session

- Overview of volunteer leadership for all of ACM
  - where decisions are made
  - where to go with ideas/needs
  - how things work to explain to your members
- Specific details on the SGB and SIG governance
  - how to get things done



# Starting at the Top

- ACM Council
  - Final authority on all ACM policy decisions.
  - Approves all major new initiatives.
  - Approves annual ACM budget.
  - etc.
- ACM Executive Committee
  - Handles operational governance



# ACM Council Members

## Five ACM EC members

- President: Vint Cerf
- Vice-President: Alex Wolf
- Secretary-Treasurer: Vicki Hanson
- Past President: Alain Chesnais
- SGB Chair: Erik Altman

- Three SGB-elected reps
  - Brent Hailpern
  - Andrew Sears
  - David Wood
- Seven at-large members
- Publications Board Chair
- Two ex officio
  - ACM CEO (John White)
  - ACM COO (Pat Ryan)



# ACM Boards and Councils

- Boards
  - SGB
  - Publications
  - Practitioners
  - Education
- Councils
  - ACM-W
  - USACM
  - Regional
    - ACM Europe
    - ACM India
    - ACM China





# Committees

## ACM EC

- Nominating
- Elections
- History
  
- Investment
- Compensation
  
- Constitution and Bylaws
- Computers and Public Policy
- Coalition to Diversity Computing (CDC)
- Committee on Professional Ethics (COPE)
- Computer Science Teachers Association (CSTA)
- ACM International Collegiate Programming Contest (ICPC)

## ACM Council

- Audit Committee
- Awards Committee



# When is ACM Council Involved?

Some SIG/SGB items go to ACM EC or Council for approval

- named awards
- some by-laws changes
- annual budgets (in aggregate)
- large actions, e.g. large conference budgets, SIG dissolution



# When Are Other Boards / Committees Involved?

- Some activities relevant to SIGs are actually done by, or are best coordinated with, others
  - journals and magazines (Pubs Board)
  - undergrad curriculum (Education Board)
  - public policy (USACM)
  - Awards (Awards Committee)
  
- Many value SIG participation



# SIG Governing Board (SGB)

- **Who**

- the leaders of each SIG
- supported by SIG Services (Donna Cappo)

- **What**

- collective governance
  - setting policies
    - SIG allocation
    - distribution of DL revenue
    - support of CSTA and other funding requests
  - creation / review / oversight of SIGs

- **How**

- weighted voting: (1 vote) + (1 vote per 1000 members)
  - Transitional SIGs not eligible to vote



# SGB EC

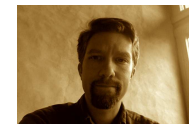
- Chair:
- Past Chair:
- Publications Advisor:
- Members at large:
  - VC for Operations:
  - SIG Development Advisor:
  - New SIG Advisor:
  - SIG Viability Advisor:
  - SIG Conference Advisor:
  - SIG Awards Advisor:
- Director of SIG Services:



Erik Altman

Vicki Hanson

Patrick Madden



Patrick Madden



Pradip Bose



Renee McCauley



Will Tracz



Yannis Ioannidis



Elisa Bertino



Donna Cappo (ACM HQ)



# Role of the SGB Chair and EC

- Administrative and oversight of SGB decisions
- Agendas and recommendations for SGB meetings
- Handle a wide range of “routine” requests specifically delegated to Chair or EC
  - replacement of officers for some SIGs
  - by-laws change review
- Task forces
- Plus whatever else is needed



# 12 New SIG Chairs – July 2013

- |              |                      |
|--------------|----------------------|
| 1. SIGAda    | David Cook           |
| 2. SIGBED    | Raj Rajkumar         |
| 3. SIGCOMM   | Srinivasan Keshav    |
| 4. SIGCSE    | Susan H. Rodger      |
| 5. SIGDOC    | Liza Potts           |
| 6. SIGIR     | Charles L. A. Clarke |
| 7. SIGKDD    | Bing Liu             |
| 8. SIGMOBILE | Suman Banerjee       |
| 9. SIGMOD    | Donald Kossmann      |
| 10. SIGMM    | Shih-Fu Chang        |
| 11. SIGSAC   | Trent Jaeger         |
| 12. SIGSAM   | Ilias S. Kotsireas   |



# 24 Continuing SIG Chairs

1.	SIGACCESS	Andrew Sears	13.	SIGHPC	Cherri Pancake
2.	SIGACT	Paul Beame	14.	SIGITE	Rob Friedman
3.	SIGAPP	Sung Y. Shin	15.	SIGMETRICS	John C.S. Lui
4.	SIGARCH	David Wood	16.	SIGMICRO	Pradip Bose
5.	SIGART	Yolanda Gil	17.	SIGMIS	Janice Sipior
6.	SIGBio	Aidong Zhang	18.	SIGOPS	Jeanna Matthews
7.	SIGCAS	Andrew Adams	19.	SIGPLAN	Jan Vitek
8.	SIGCHI	Gerrit van der Veer	20.	SIGSIM	Paul Fishwick
9.	SIGDA	Naehyuck Chang	21.	SIGSOFT	Will Tracz
10.	SIGecom	David C. Parkes	22.	SIGSPATIAL	Walid G. Aref
11.	SIGEVO	Wolfgang Banzhaf	23.	SIGUCCS	Kelly Wainwright
12.	SIGGRAPH	Jeff Jortner	24.	SIGWEB	Simon Harper





# SGB Collective Governance

- Examples
  - SIG allocation
  - DL revenue and its distribution
  - viability reviews
  - new SIGs
  - best practices
  - funding requests



# SIG Allocation

- One collective obligation of the SIGs:

Pay a portion of ACM's operating costs – *cost of doing business*:

- Conference support
  - Financial support
  - Publications support
  - Volunteer activities
  - Information services
  - Administrative support (legal, elections etc)
- Total amount for FY 2014: \$3.010M
  - Allocation formula is a sliding scale
    - based on expenses per SIG
    - \$10K minimum per SIG



# Digital Library Revenue Distribution

- SIG content is major component of the DL
  - Conferences and newsletters
- Revenue-sharing arrangement where SGB receives a percentage of DL revenue
  - Budgeted estimate for FY 2014: \$3.125M
  - Compare to SIG Allocation: \$3.010M
- Collective decision to divide this based on downloads, but with a \$10K minimum per SIG



# Viability Reviews

- Each SIG faces regular program reviews
- ~~SIG prepares a 5-slide summary of activity and vision / goals~~
- SIG prepares a 2-slide **Wow** / **Ow** summary.
  - SGB EC performs an initial review and makes a recommendation
  - SGB which makes final decision
- Opportunity for collective advice and guidance – recent examples:
  - concerns about volunteer development
  - concerns about member benefits
  - working with related organizations



# Best Practices

- At each SGB meeting, time is set aside for sharing successful practices
  - Many SIG leaders find it the most valuable part of the meeting!
- Examples
  - Volunteer development
  - Governing structure
  - Business Meetings
  - Experiences with holding conferences outside US
  - Openness in nominations and finances



# Other Responsibilities to Take Seriously

- Annual reporting
- Setting membership benefits and dues
- Volunteer and leadership development
- Community building
- Sustainable excellence



# SGB Overview in CACM

June 2013 CACM:

DOI:10.1145/2461256.2461257

Erik R. Altman

## SGB Fortifies Global SIG Community

ACM's Special Interest Groups (SIGs) cover 36 areas of computing, from graphics to computer-human interfaces, theory to computer architecture, programming



languages to bioinformatics, and much more. In fact, SIGs form the locus of ACM's technical activities and provide a way for individual disciplines to organize their interests. ...

New – Mobile CACM apps:

**Android:** [bit.ly/18SeR5K](http://bit.ly/18SeR5K) **iPhone:** [bit.ly/HWEAfw](http://bit.ly/HWEAfw) **iPad:** [bit.ly/MEa0JR](http://bit.ly/MEa0JR)

# Open Access Experiments

## 1. Open Access for 4 weeks around SIG Conferences.

- Make proceedings from SIG conferences freely available via the ACM DL for up to two weeks before and after conference
  - **34 YES**
  - **2 NO**

## 2. Open Access to SIG Conference Proceedings for 1 year.

- Maintain table-of-contents for most recent instance of SIG conference on SIG or conference website.
- Use ACM **Author-Izer** links to give free access to the DL paper.
  - **28 YES**
  - **8 NO**





# Umbrella Groupings of SIGs

Math /AI:	ART, ecom, EVO, IR, KDD, WEB
Applications:	APP, Bio, ecom, HPC, MM, MOBILE, SAM, SPATIAL
Digital Content:	Bio, IR, KDD, METRICS, MM, MOD, SAC, SPATIAL, WEB
Education:	CAS, CSE, ITE, UCCS
Hardware Design:	ARCH, BED, DA, MICRO, MOBILE
Interaction:	ACCESS, CAS, CHI, DOC, GRAPH, MM, SAC
Networking:	COMM, MOBILE, METRICS, MM, OPS, SAC, WEB
Software:	Ada, APP, BED, DOC, GRAPH, MM, OPS, PLAN, SAC, SIM, SOFT, WEB
Ops and Mgmt:	MIS, UCCS
Performance:	ARCH, HPC, METRICS, PLAN, MICRO
Theory:	ACT, ecom, SAM



# Auto news feeds for SIGs

- Investigating daily news feeds tailored to each SIG or Umbrella Grouping
  - ~~Expert story selection~~
  - Automated story selection
- **Goals:**
  - (1) Improve value of all SIGs.
  - (2) Avoid ongoing manual effort.
  - (3) Leverage common technology across SIGs.
- Wayne Graves leading effort from ACM HQ



- New mobile processors come to the fore from Intel
- Renesas Mobile processor for LTE is touted for energy efficiency
- Vivante Shipping World's Smallest and Lowest Power OpenGL ES 3.0 IP Core

**Status:** Tests piloted for SIGMICRO and SIGMOBILE

Keywords from 28/36 SIGs

Keywords from conferences for all SIGs



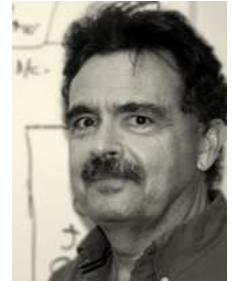
# SIG Video Repositories

## Modeling and Simulation Videos

- SIGSIM-produced M&S Videos
- M&S-related YouTube Videos
  - [Discrete M&S Videos](#) (86)
  - [Continuous M&S Videos](#) (1274)
  - [Monte Carlo M&S Videos](#) (104)
  - [System Dynamics M&S Videos](#) (2)
  - [Gaming-based M&S Videos](#) (46)
  - [Agent-based M&S Videos](#) (48)
  - [Virtual Reality-based M&S Videos](#) (64)
  - [Distributed / Parallel M&S Videos](#) (15)
  - [Web-based M&S Videos](#) (3)
  - [Live M&S Videos](#) (9)
  - [In-the-loop M&S Videos](#) (14)
- M&S-related Other Videos
  - [Videos by Prof. Paul Fishwick](#) (18)

## SIGSIM Repository

Paul Fishwick, SIGSIM Chair



1000+ simulation-related videos consolidated on the SIGSIM site

- Good value for members.
- Something to entice more people to join SIGSIM.
  
- *Based on automated video mining capability.*

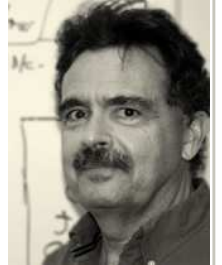


# SIG Video Repositories

## Modeling and Simulation Videos

● SIGSIM-produced M&S Videos

- 1000+ simulation-related videos consolidated on the SIGSIM site
- Video mining code now open to share with other SIGs on Github:  
<https://github.com/sigsim>
- Github setup should make it relatively easy for other SIGs to:
  - Replicate SIGSIM efforts
  - Find and display relevant videos
  - Gain similar benefits.
- Broader principles:
  - SIGs to share common technology
  - Small startup effort yields ongoing value with little or no ongoing work by the SIG.
- Goal - Other SIGs:
  - Look at Paul's materials
  - Recruit volunteer to use the Github setup to collect SIG-appropriate videos.



# Full Inclusion – Members



Simon Harper (*Chair*)



Jeanna Matthews



Flo Appel



Renee McCauley



Donna Cappel



Babara Boucher Owens



Vicki Hanson



Zhengjie Liu



Jenny Preece



# Full Inclusion

SIG Working Group on Full Inclusion

**Chair:** Simon Harper, SIGWEB

**Charter:**

- The SIG Task Force on Full Inclusion will drive to ensure that the computing field is open and welcoming to all, independent of any characteristics not directly related to computing.
- The task force will have three major responsibilities:
  1. Review and disseminate best practices for full inclusion
    - First from among the SIGs.
    - Subsequently from groups and professions further afield such as natural sciences, engineering, medicine, and law
  2. Develop definitions for full inclusion, that are universal in character and account for ACM's growing international presence.
  3. Identify technologies and research areas that can help improve computing's openness and availability to all.



# Full Inclusion

## Focus Areas:

- Accessibility and Disability
- Citizen Science (and... Hackers and Makers)
- Unconventional Educational Routes
- Gender Equality
- Cultural Equality and Race
- Low income
- Age Equality

## How to:


- Encourage Participation
- Support once Participating

## Support for:

- SIG Members
- SIG Resources
- SIG Conferences



# CSTA

- CSTA = Computer Science Teachers Association
  - Chris Stephenson, Executive Director
  - **Focus:** Improving and promoting K-12 CS education
- 
- Funding Request to SGB with 4 Options:
    1. Chapter mini-grant program providing small stipends for advocacy, professional development, and development of new resources
    2. 100 toolkits for CSTA chapters with Bylaws templates, election guidelines, leadership development, ...
    3. Bank of assessment questions tied to the CSTA standards
    4. Advocacy fly-in of local members to Washington DC to visit their political reps and advocate for computer science.
  - SGB voted to support **(1)** – the Chapter mini-grant program.
    - **Amount:** \$60,000 in FY'14
    - **Source:** SIG Fund with current balance around \$1M.
    - Continues SIG support for CSTA over last several years





# IFIP



	Funded?	ACM Rep	Related SIGs
TC1	No support	David Johnson	SIGACT
TC2	Support	Jeremy Gibbons	SIGPLAN, SIGSOFT
TC3	Support	Mihaela Sabin	SIGITE
TC4	No TC4		
TC5	No support	Mike McGrath	SIGGRAPH
TC6	No Support	None	SIGCOMM
TC7	Dormant		
TC8	Support	George Kasper	SIGMIS
TC9	Support	Don Gotterbarn	SIGCAS
TC10	TBD	None	SIGDA
TC11	Support	Bhavani Thuraisingham	SIGSAC
TC12	No support	Andrea Omicini	SIGART
TC13	Support	John Karat	SIGCHI
TC14	No Support	Magy Seif El-Nasr	SIGGRAPH, SIGMM

6 of 12 TCs: Supported ACM Rep  
4 of 12: Unsupported Rep

1 of 12: No rep, No support  
1 of 12: Pending

