SIGACT

Name and Mission:

SIGACT: SIGACT Algorithms & Computation Theory

The primary mission of ACM SIGACT (Association for Computing Machinery Special Interest Group on Algorithms and Computation Theory) is to foster and promote the discovery and dissemination of high quality research in the domain of theoretical computer science. The field of theoretical computer science is interpreted broadly so as to include algorithms, data structures, complexity theory, distributed computation, parallel computation, VLSI, machine learning, computational biology, computational geometry, information theory, cryptography, quantum computation, computational number theory and algebra, program semantics and verification, automata theory, and the study of randomness. Work in this field is often distinguished by its emphasis on mathematical technique and rigor.

Newsletters:

	Volume	Issue	Issue Date	Number of Pages	Actually Mailed
2014					
	45	01	March 2014		N/A
2013					
	44	04	December 2013	104	27-Dec-13
	44	03	September 2013	96	30-Sep-13
	44	02	June 2013	148	13-Jun-13
	44	01	March 2013	116	18-Mar-13
2012					
	43	04	December 2012	140	29-Jan-13
	43	03	September 2012	120	06-Sep-12
	43	02	June 2012	144	25-Jun-12
	43	01	March 2012	100	20-Mar-12
2011					
	42	04	December 2011	104	29-Dec-11
	42	03	September 2011	108	29-Sep-11
	42	02	June 2011	104	N/A
	42	01	March 2011	140	23-Mar-11
2010					
	41	04	December 2010	128	15-Dec-10
	41	03	September 2010	128	13-Sep-10
	41	02	June 2010	92	17-Jun-10
	41	01	March 2010	132	17-Mar-10

Membership: *based on fiscal year dates*

Year	Professional	Affiliate	Student	Designee	Total	Subscribers	1st Year Retention	2 + Years Retention	Total Retention
JUNE 2013	1226	125	131	1	1,483	54	48.3	87.84	78.68
JUNE 2012	1223	131	141	1	1,496	69	43.6	85.47	74.71
JUNE 2011	1261	153	152	1	1,567	102	29.4	86.20	65.35
JUNE 2010	1318	423	188	1	1,930	122	49.2	86.55	76.64

Fund Balance:

Year	Amount	Required	Delta	Discretionary	Discretionary Per Member
JUNE 2013	$917,508	$155,923	$97,569	$761,585	$514.00
JUNE 2012	$819,939	$106,395	$7,489	$713,544	$477.00
JUNE 2011	$812,450	$130,361	$5,364	$682,089	$435.00
JUNE 2010	$807,087	$120,047	$63,459	$687,040	$356.00
JUNE 2009	$743,628	$134,969	$65,238	$608,659	$373.00
JUNE 2008	$678,390	$79,840	$48,148	$598,550	$356.00
JUNE 2007	$630,242	$106,597	$38,125	$523,645	$320.00
JUNE 2006	$592,117	$104,758	$16,811	$487,359	$284.00

DL Revenue

Year	Amount
2014	$85,789
2013	$81,567
2012	$82,357
2011	$85,335

2010	$69,889
2009	$67,063
2008	$60,330
2007	$50,346

Conferences:

Sponsored

PODC '14 - ACM Symposium on Principles of Distributed Computing
Paris , France   07/15/14 -   07/18/14   Sponsor: 50.00%   Attendance: 0   Surplus/(loss): $0.00

LICS '14 - 29th Annual ACM/IEEE Symposium on Logic in Computer Science
Vienna , Austria   07/14/14 -   07/18/14   Sponsor: 50.00%   Attendance: 0   Surplus/(loss): $0.00

SPAA '14 - 26th ACM Symposium on Parallelism in Algorithms and Architectures
Prague , Czech Republic   06/23/14 -   06/25/14   Sponsor: 50.00%   Attendance: 0   Surplus/(loss): $0.00

STOC '14 - Symposium on Theory of Computing
New York , NY   05/31/14 -   06/03/14   Sponsor: 100.00%   Attendance: 0   Surplus/(loss): $0.00

ITCS'14 - Innovations in Theoretical Computer Science
Princeton , NJ   01/12/14 -   01/14/14   Sponsor: 100.00%   Attendance: 0   Surplus/(loss): $0.00   Papers: 116/48

SPAA '13 - 25th ACM Symposium on Parallelism in Algorithms and Architectures
Montreal , QC   07/23/13 -   07/25/13   Sponsor: 50.00%   Attendance: 45   Surplus/(loss): $6,079.32   Papers: 130/31

PODC '13 - ACM Symposium on Principles of Distributed Computing
Montreal , QC   07/22/13 -   07/24/13   Sponsor: 50.00%   Attendance: 98   Surplus/(loss): $6,171.26   Papers: 145/37

LICS '13 - 28th Annual ACM/IEEE Symposium on Logic in Computer Science
New Orleans , LA   06/25/13 -   06/28/13   Sponsor: 50.00%   Attendance: 0   Surplus/(loss): $0.00   Papers: 165/57

SoCG '13 - Symposuim on Computational Geometry 2013
Rio de Janeiro , Brazil   06/17/13 -   06/20/13   Sponsor: 50.00%   Attendance: 159   Surplus/(loss): $1,149.58   Papers: 137/48

STOC'13 - Symposium on Theory of Computing Conference
Palo Alto , CA   06/01/13 -   06/04/13   Sponsor: 100.00%   Attendance: 366   Surplus/(loss): $39,095.64 Papers: 360/100

ITCS '13 - Innovations in Theoretical Computer Science
Berkeley , CA   01/09/13 -   01/12/13   Sponsor: 100.00%   Attendance: 107   Surplus/(loss): ($6,683.00) Papers: 123/49

PODC '12 - ACM Symposium on Principles of Distributed Computing
Funchal , Portugal   07/16/12 -   07/18/12   Sponsor: 30.00%   Attendance: 117   Surplus/(loss): $20,237.00   Papers: 142/61

FOMC'12 - Foundations of Mobile Computing (formerly known as DIALM-POMC)
                        07/19/12 -   07/19/12   Sponsor: 30.00%

SPAA '12 - 24th ACM Symposium on Parallelism in Algorithms and Architectures
Pittsburgh , PA   06/25/12 -   06/27/12   Sponsor: 50.00%   Attendance: 89   Surplus/(loss): $4,674.00   Papers: 120/31

LICS '12 - The 27th Annual IEEE/ACM Symposium on Logic in Computer Science
Dubrownik , Croatia   06/25/12 -   06/28/12   Sponsor: 25.00%   Attendance: 133   Surplus/(loss): $2,024.00   Papers: 171/60

SoCG '12 - Symposuim on Computational Geometry 2012
Chapel Hill , NC   06/17/12 -   06/20/12   Sponsor: 50.00%   Attendance: 187   Surplus/(loss): $3,130.00   Papers: 126/44

STOC'12 - Symposium on Theory of Computing Conference
New York , NY   05/19/12 -   05/22/12   Sponsor: 100.00%   Attendance: 364   Surplus/(loss): $67,981.00   Papers: 303/89

ITCS '12 - Innovations in Theoretical Computer Science
Cambridge , MA   01/08/12 -   01/10/12   Sponsor: 100.00%   Attendance: 114   Surplus/(loss): ($8,713.00) Papers: 93/39

SoCG '11 - Symposium on Computational Geometry

Paris , France   06/13/11 -   06/15/11   Sponsor: 50.00%   Attendance: 139   Surplus/(loss): ($21,172.00)   Papers: 145/55

PODC '11 - ACM Symposium on Principles of Distributed Computing (co-located with FCRC 2011)
San Jose , CA   06/06/11 -   06/08/11   Sponsor: 50.00%   Attendance: 133   Surplus/(loss): $4,544.00   Papers: 129/34

STOC'11 - Symposium on Theory of Computing Conference (Co-located with FCRC 2011)
San Jose , CA   06/06/11 -   06/08/11   Sponsor: 100.00%   Attendance: 305   Surplus/(loss): $23,708.00   Papers: 304/84

SPAA '11 - 23rd ACM Symposium on Parallelism in Algorithms and Architectures (Co-located with FCRC 2011)
San Jose , CA   06/04/11 -   06/06/11   Sponsor: 50.00%   Attendance: 115   Surplus/(loss): ($5,209.00)   Papers: 116/35

PODC '10 - ACM Symposium on Principles of Distributed Computing
Zurich , Switzerland   07/25/10 -   07/28/10   Sponsor: 50.00%   Attendance: 211   Surplus/(loss): ($728.00)   Papers: 179/39

SNDS 2010 - Social Networks and Distributed Systems
                       07/29/10 -   07/29/10   Sponsor: 50.00%

LADIS '10 - 4th International Workshop on Large Scale Distributed Systems and Middleware
                       07/28/10 -   07/29/10   Sponsor: 50.00%

WRAS 2010 - Third International Workshop on Reliability, Availability, and Security
                       07/29/10 -   07/29/10   Sponsor: 50.00%

SPAA 10 - 22nd ACM Symposium on Parallelism in Algorithms and Architectures
Thira, Santorini , Greece   06/13/10 -   06/15/10   Sponsor: 50.00%   Attendance: 80   Surplus/(loss): ($4,107.00)   Papers: 110/35

SoCG '10 - Symposium on Computational Geometry
Salt Lake City , UT   06/13/10 -   06/16/10   Sponsor: 50.00%   Attendance: 94   Surplus/(loss): ($1,885.00)   Papers: 145/47

STOC'10 - Symposium on Theory of Computing Conference
Cambridge , MA   06/06/10 -   06/08/10   Sponsor: 100.00%   Attendance: 346   Surplus/(loss): $28,050.00   Papers: 279/78

InCooperation

POPL '15 The 42nd Annual ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages
Mumbai , India   01/15/15 - 01/17/15

HiPC '14 High Performance Computing
Goa , India   12/17/14 - 12/20/14

SOCG'14 Annual Symposium on Computational Geometry
Kyoto , Japan   06/08/14 - 06/11/14

CSCITA '14 International Conference on Circuit Systems, Communication, Information Technology and Applications
Mumbai , India   04/04/14 - 04/05/14

ICWAC '14 International Conference and Workshop on Advanced Computing
Mumbai , India   02/21/14 - 02/22/14

POPL '14 The 41st Annual ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages
San Diego , CA   01/22/14 - 01/24/14

SODA '14 ACM-SIAM Symposium on Discrete Algorithms
Portland , OR   01/05/14 - 01/07/14

HIPC '13 HIPC '13 - International conference on High Performance Computing
Hyderabad , India   12/18/13 - 12/21/13

ICACACT '13 International Conference on Advances in Communication and Computing Technologies
Mumbai , India   08/10/13 - 08/11/13

HPCS '13 The 2013 International Conference on High Performance Computing & Simulation
Helsinki , Finland   07/01/13 - 07/05/13

ICWAC '13 International Conference & Workshop on Advanced Computing
Mumbai , India   02/22/13 - 02/23/13

POPL '13 The 40th Annual ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages
Rome , Italy   01/23/13 - 01/25/13

SODA '13 ACM-SIAM Symposium on Discrete Algorithms
New Orleans , LA   01/06/13 - 01/08/13

TAMC '12 The 9th Annual Conference on Theory and Applications of Models of Computation
Beijing , China   05/16/12 - 05/21/12

POPL '12 The 39th Annual ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages
Philadelphia , PA   01/22/12 - 01/28/12

SODA '12 ACM-SIAM Symposium on Discrete Algorithms
Kyoto , Japan   01/17/12 - 01/19/12

LICS '11 IEEE Symposium on Logic in Computer Science
Toronto , ON   06/22/11 - 06/25/11

IEEE Complexity '11 IEEE Conference on Computational Complexity (co-located with FCRC 2011)
San Jose , CA   06/08/11 - 06/10/11

POPL '11 The 38th Annual ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages
Austin , TX   01/26/11 - 01/28/11

CNC '10 International Conference on Advances in Communication, Network, and Computing
Calicut , India   10/04/10 - 10/05/10

POPL '10 The 37th Annual ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages
Madrid , Spain   01/17/10 - 01/23/10

Note: LICS 2013- waiting for IEEE to close and send report

Officers:

SIG Chair
(01-Jul-12 - 30-Jun-15)   Paul Beame   (Elected)

SIG Vice Chair
(01-Jul-12 - 30-Jun-15)   Avrim Blum   (Elected)

SIG Conference Approver
(01-Jul-12 - 30-Jun-15)   Paul Beame   (Appointed)

SIG Secretary/Treasurer
(01-Jul-12 - 30-Jun-15)   Tal Rabin   (Elected)

SIG Member at Large
(01-Jul-12 - 30-Jun-15)   Venkatesan Guruswami   (Elected)
(01-Jul-12 - 30-Jun-15)   Rocco Anthony Servedio   (Elected)

SIG Past Chair
(01-Jul-12 - 30-Jun-15)   Lance Fortnow   (Appointed)

SIG Chair
(01-Jul-09 - 30-Jun-12)   Lance Fortnow   (Elected)

SIG Vice Chair
(01-Jul-09 - 30-Jun-12)   Michael Mitzenmacher   (Elected)

SIG Conference Approver

Awards:

Award	Description
Service Prize	Awarded annually for outstanding contributions of service to SIGACT; given at STOC; $1000/$700 for travel
2008 Richard Karp	
2010 Hal Gabow	
2012 Sampath Kannan	
2013 Lane Hemaspaandra	
Danny Lewin Best Student Paper	Awarded at the STOC Conference from student papers submitted to conf. $500 and no travel $ (renamed 2002)
2008 Prasad Raghavendra	
2009 Robin Moser	
2010 László Végh	
2011 Bernhard Haeupler	
2012 Kasper Green Larsen	
2013 Aaron Bernstein Siu On Chan	
SIGACT/SIGOPS Edsger W. Dijkstra Prize in Distributed Computing	Given alternately at ACM PODC or EATCS DISC to an outstanding paper on the principles of distributed computing, whose significance and impact on the theory and/or practice of distributed computing has been evident for at least a decade. The winning authors will share a cash award of $2,000, and each will be presented with a plaque at the business meeting.
2008 Baruch Awerbuch David Peleg	
2009 Joseph Halpern Yoram Moses	
2010 Tushar D. Chandra Vassos Hadzilacos Sam Toueg	
2011 Hagit Attiya Danny Dolev Amotz Bar-Noy	
2012 Maurice Herlihy J. Eliot B. Moss Dan Touitou Nir Shavit	
2013 Nathan Linial	
Knuth Prize	Awarded annually with IEEE TCMFC for Outstanding Contributions alternately at STOC and FOCS; $5000 and $1000 for travel

2008	Volker Strassen	
2010	David S. Johnson	
2011	Ravi Kannan	
2012	Leonid Levin	
2013	Gary L. Miller	

SIGACT Godel Prize		Awarded annually for an outstanding paper (or collection of papers) in the area of theoretical computer science that appeared in a journal during the previous fourteen years. The award includes a prize of $5,000. Sponsored jointly with the European Association for Theoretical Computer Science. Presented alternately at the ACM Symposium on Theory of Computing and the International Conference on Automata, Languages, and Programming.
2008	Dan Spielman Shang-Hua Teng	
2009	Omer Reingold Salil Vadhan Avi Wigderson	
2010	Sanjeev Arora Joseph S. B. Mitchell	
2011	Johan T. Håstad	
2012	Elias Koutsoupias Amir Ronen Noam Nisan Christos H. Papadimitriou Tim Roughgarden Éva Tardos	
2013	Antoine Joux Dan Boneh Matthew K. Franklin	

Viability:

Viability Report Date	Result
March 08, 2010	Found viable - return in 4 years
February 10, 2006	Found viable
February 23, 2002	Found viable as a multi-service SIG
March 01, 1998	Found Viable as a multi-service SIG.
March 01, 1994	Viable as a multi-service SIG
August 01, 1993	Viability approved
August 01, 1989	Viability approved

Note: March 2010- The SGB EC congratulates SIGACT on their program performance and finds it viable to continue its status for the next 4 years

Annual Report Submission:

Year	Response	Note
FY 2001	Yes	
FY 2002	Yes	
FY 2003	Yes	
FY 2004	Yes	
FY 2005	Yes	
FY 2006	Yes	
FY 2007	Yes	
FY 2008	Yes	
FY 2009	Yes	
FY 2010	Yes	
FY 2011	Yes	
FY 2012	Yes	
FY 2013	Yes	

SGB Meeting Attendance:

Year	Response	Note
OCT 99	Yes	
FEB 00	Yes	

OCT 00	No
MAR 01	Yes
AUG 01	Yes
FEB 02	Yes
SEP 02	Yes
MAR 03	Yes
SEP 03	Yes
MAR 04	Yes
OCT 04	Yes
MAR 05	Yes
AUG 05	Yes
FEB 06	Yes
OCT 06	Yes
FEB 07	Yes
JUL 07	Yes
FEB 08	Yes
SEP 08	Yes
MAR 09	Yes
OCT 09	Yes
MAR 10	Yes
SEP 10	Yes
MAR 11	Yes
SEP 11	Yes
MAR 12	Yes
OCT 12	Yes
MAR 13	Yes
OCT 13	Yes

Benefits:

2014

2014

Member Benefits provided to SIGACT Members:
- Newsletter- SIGACT News, quarterly, print & online subscriptions
- Access to all SIGACT sponsored and co-sponsored conference proceedings in the ACM Digital Library including some in-cooperation conferences such as SODA
- Reduced registration rates at SIGACT-sponsored conferences, and through reciprocal agreements for many other major conferences in theoretical computer science
- Reduced rate for membership in EATCS (European Association for Theoretical Computer Science)
- Notification of critical information through mail and the SIGACT electronic member mailing list
- Distinguished Service Award

Community Benefits provided by SIGACT:
- Publicity: SIGACT web site, Theorynt email, Theory Announcements Blog, Twitter, Facebook and Google Plus
- Conference sponsorships: PODC, SOCG, SPAA, STOC, LICS, ITCS
- In-cooperation conferences: PODS, SODA, FOCS, POPL
- Awards and grants: SIGACT Danny Lewin Best Student Paper Award, STOC Best Student Presentation Award, Gödel Prize (w/EATCS), Knuth Prize (w/IEEE TCMFC), Paris Kanellakis Award (w/ACM), Lawler Humanitarian Award (w/ACM), Dijkstra Prize (w/SIGOPS), SODA Best Student Paper Award, STOC Student Travel Awards, STOC Developing Country Researcher Awards, STOC Best Paper Award, Student and third world travel support for FOCS and SODA
- SIGACT Committee for the Advancement of Theoretical Computer Science for funding and outreach
- Represents theoretical computer science community to the ACM and beyond.