

## 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
<b>2017</b>					
	48	03	September 2017	88	N/A
	48	02	June 2017	110	15-Jun-17
	48	01	March 2017	114	20-Mar-17
<b>2016</b>					
	47	04	December 2016	52	29-Jan-17
	47	03	September 2016	136	20-Aug-16
	47	02	June 2016	92	20-Jun-16
	47	01	March 2016	116	10-Mar-16
<b>2015</b>					
	46	04	December 2015	112	20-Dec-15
	46	03	September 2015	76	20-Sep-15
	46	02	June 2015	116	18-Jun-15
	46	01	March 2015	80	09-Apr-15
<b>2014</b>					
	45	04	December 2014	124	30-Dec-14
	45	03	September 2014	116	03-Oct-14
	45	02	June 2014	108	19-Jun-14
	45	01	March 2014	108	01-Apr-14
<b>2013</b>					
	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

### Membership: based on fiscal year dates

Year	Professional	Affiliate	Student	Designee	Total	Subscribers	1st Year Retention	2 + Years Retention	Total Retention
JUNE 2016	1066	105	64	0	1,235	46	41.6	79.65	73.45
JUNE 2015	1134	94	78	0	1,306	45	35.8	77.43	68.69
JUNE 2014	1149	128	116	0	1,393	43	44.3	83.26	73.79
JUNE 2013	1226	125	131	1	1,483	54	48.3	87.84	78.68

**Note:** June 2014,2015 and 2016 memb.numbers include online members. Retention rates for 2014 online members: 1 year= 100.0,2+yr=100.0, Total=100.0. For 2015, 1 year=82.0,2+yr.=97.58, Total=93.5. For 2016, 1 year=49.38, 2+yr.= 87.88, Total=76.15

### Fund Balance:

Year	Amount	Required	Delta	Discretionary	Discretionary Per Member
JUNE 2016	\$1,055,455	\$185,067	\$32,706	\$870,388	\$705.00
JUNE 2015	\$1,022,749	\$174,912	\$33,809	\$847,837	\$649.00
JUNE 2014	\$998,940	\$160,096	\$71,432	\$828,844	\$595.00
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
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**DL Revenue**

Year	Amount
2017	\$65,329
2016	\$78,404
2015	\$88,718
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 '18 - ACM Symposium on Principles of Distributed Computing (12458)**

Egham , United Kingdom	07/23/18 - 07/27/18	Sponsor: 67.00%	Attendance: 0	Surplus/(loss): \$0.00
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**STOC '18 - Symposium on Theory of Computing (11748)**

Los Angeles / Santa Monica , CA	06/23/18 - 06/27/18	Sponsor: 100.00%	Attendance: 0	Surplus/(loss): \$0.00
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**PODC '17 - ACM Symposium on Principles of Distributed Computing (11129)**

Washington , DC	07/25/17 - 07/27/17	Sponsor: 67.00%	Attendance: 0	Surplus/(loss): \$0.00	Papers: 154/38
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**ARMS-CC'17 - Workshop on Adaptive Resource Management and Scheduling for Cloud Computing**

07/28/17 - 07/28/17	Sponsor: 67.00%
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**SPAA '17 - 29th ACM Symposium on Parallelism in Algorithms and Architectures (11086)**

Washington DC , USA	07/24/17 - 07/26/17	Sponsor: 50.00%	Attendance: 0	Surplus/(loss): \$0.00	Papers: 127/31
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**STOC '17 - Symposium on Theory of Computing (10707)**

Montreal , QC	06/19/17 - 06/23/17	Sponsor: 100.00%	Attendance: 0	Surplus/(loss): \$0.00
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**PODC '16 - ACM Symposium on Principles of Distributed Computing (10242)**

Chicago , IL	07/25/16 - 07/28/16	Sponsor: 50.00%	Attendance: 204	Surplus/(loss): \$15,617.56	Papers: 149/40
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**DCC'16 - 4th Workshop on Distributed Cloud Computing**

07/25/16 - 07/28/16	Sponsor: 50.00%
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**BDA'16 - 4th Workshop on Biological Distributed Algorithms**

07/25/16 - 07/28/16	Sponsor: 50.00%
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**ARMS-CC'16 - Workshop on Adaptive Resource Management and Scheduling for Cloud Computing**

07/29/16 - 07/29/16	Sponsor: 50.00%
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**WRAWN'16 - 7th Workshop on Realistic models for Algorithms in Wireless Networks**

07/25/16 - 07/28/16	Sponsor: 50.00%
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**SPAA '16 - 28th ACM Symposium on Parallelism in Algorithms and Architectures (10185)**

Pacific Grove , CA	07/11/16 - 07/13/16	Sponsor: 50.00%	Attendance: 88	Surplus/(loss): \$2,454.60
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**STOC '16 - Symposium on Theory of Computing (9324)**

Cambridge , MA	06/18/16 - 06/21/16	Sponsor: 100.00%	Attendance: 327	Surplus/(loss): (\$9,151.53)	Papers: 370/92
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**ITCS'16 - Innovations in Theoretical Computer Science (10582)**

Cambridge , MA	01/14/16 - 01/16/16	Sponsor: 100.00%	Attendance: 87	Surplus/(loss): (\$6,067.39)	Papers: 145/40
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**PODC '15 - ACM Symposium on Principles of Distributed Computing (9642)**

Donostia-San Sebastián , Spain	07/21/15 - 07/23/15	Sponsor: 50.00%	Attendance: 140	Surplus/(loss): \$3,385.33	Papers: 191/45
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STOC '15 - Symposium on Theory of Computing (part of FCRC) (9824)							
Portland , OR	06/14/15 - 06/17/15	Sponsor: 100.00%	Attendance: 300	Surplus/(loss): \$26,007.00	Papers: 347/93		
SPAA '15 - 27th ACM Symposium on Parallelism in Algorithms and Architectures (9893)							
Portland , OR	06/13/15 - 06/15/15	Sponsor: 50.00%	Attendance: 98	Surplus/(loss): \$6,060.00	Papers: 131/31		
ITCS'15 - Innovations in Theoretical Computer Science (9714)							
Rehovot , Israel	01/11/15 - 01/13/15	Sponsor: 100.00%	Attendance: 141	Surplus/(loss): (\$4,540.48)	Papers: 159/45		
PODC '14 - ACM Symposium on Principles of Distributed Computing (8689)							
Paris , France	07/15/14 - 07/18/14	Sponsor: 50.00%	Attendance: 203	Surplus/(loss): (\$5,140.75)	Papers: 141/39		
SPAA '14 - 26th ACM Symposium on Parallelism in Algorithms and Architectures (8682)							
Prague , Czech Republic	06/23/14 - 06/25/14	Sponsor: 50.00%	Attendance: 73	Surplus/(loss): \$13,571.31	Papers: 122/30		
STOC '14 - Symposium on Theory of Computing (7823)							
New York , NY	05/31/14 - 06/03/14	Sponsor: 100.00%	Attendance: 395	Surplus/(loss): \$18,766.27	Papers: 319/91		
ITCS'14 - Innovations in Theoretical Computer Science (8359)							
Princeton , NJ	01/12/14 - 01/14/14	Sponsor: 100.00%	Attendance: 76	Surplus/(loss): (\$2,534.07)	Papers: 116/48		
SPAA '13 - 25th ACM Symposium on Parallelism in Algorithms and Architectures (7458)							
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 (7482)							
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 (7912)							
New Orleans , LA	06/25/13 - 06/28/13	Sponsor: 50.00%	Attendance: 135	Surplus/(loss): \$24,376.37	Papers: 165/57		
SoCG '13 - Symposium on Computational Geometry 2013 (8053)							
Rio de Janeiro , Brazil	06/17/13 - 06/20/13	Sponsor: 50.00%	Attendance: 159	Surplus/(loss): (\$2,714.08)	Papers: 137/48		
STOC'13 - Symposium on Theory of Computing (7590)							
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 (7668)							
Berkeley , CA	01/09/13 - 01/12/13	Sponsor: 100.00%	Attendance: 107	Surplus/(loss): (\$6,683.00)	Papers: 123/49		
<b>InCooperation</b>							
POPL '18 The 45th Annual ACM SIGPLAN Symposium on Principles of Programming Languages (11060)							
Los Angeles , CA	01/08/18 - 01/13/18						
SODA '18 Symposium on Discrete Algorithms (12088)							
New Orleans , LA	01/07/18 - 01/10/18						
HPCS '17 International Conference on High Performance Computing & Simulation (11891)							
Genoa , Italy	07/17/17 - 07/22/17						
POPL '17 The 44th Annual ACM SIGPLAN Symposium on Principles of Programming Languages (10737)							
Paris , France	01/18/17 - 01/20/17						
SODA '17 Symposium on Discrete Algorithms (11085)							
Barcelona , Spain	01/16/17 - 01/19/17						
HiPC '16 International Conference on High Performance Computing, Data and Analytics (11258)							
Hyderabad , India	12/19/16 - 12/22/16						
HPCS '16 International Conference on High Performance Computing & Simulation (10778)							
Innsbruck , Austria	07/18/16 - 07/22/16						
POPL '16 The 43rd Annual ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages (9382)							

St. Petersburg , FL                      01/20/16 - 01/22/16

SODA '16 Symposium on Discrete Algorithms (10058)  
Arlington , VA                              01/10/16 - 01/12/16

HIPC '15 International Conference on High Performance Computing (9965)  
Bengaluru , India                          12/16/15 - 12/19/15

CCC '15 Computational Complexity Conference (9902)  
Portland , OR                                06/17/15 - 06/19/15

POPL '15 The 42nd Annual ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages (8277)  
Mumbai , India                              01/15/15 - 01/17/15

SODA '15 ACM SIAM Symposium on Discrete Algorithms (9092)  
San Diego , CA                              01/04/15 - 01/06/15

HiPC '14 High Performance Computing (8879)  
Goa , India                                    12/17/14 - 12/20/14

HPCS'14 The 2014 International Conference on High Performance Computing & Simulation (9077)  
Bologna , Italy                                07/21/14 - 07/25/14

CSL-LICS '14 JOINT MEETING OF the Twenty-Third EACSL Annual Conference on COMPUTER SCIENCE LOGIC (CSL) AND the Twenty-Ninth Annual ACM/IEEE Symposium on LOGIC IN COMPUTER SCIENCE (LICS) (8758)  
Vienna , Austria                              07/14/14 - 07/18/14

SOCG'14 Annual Symposium on Computational Geometry (8344)  
Kyoto , Japan                                 06/08/14 - 06/11/14

POPL '14 The 41st Annual ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages (7565)  
San Diego , CA                              01/22/14 - 01/24/14

SODA '14 ACM-SIAM Symposium on Discrete Algorithms (8091)  
Portland , OR                                01/05/14 - 01/07/14

HIPC '13 HIPC '13 - International conference on High Performance Computing (8237)  
Hyderabad , India                          12/18/13 - 12/21/13

HPCS '13 The 2013 International Conference on High Performance Computing & Simulation (8137)  
Helsinki , Finland                          07/01/13 - 07/05/13

POPL '13 The 40th Annual ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages (6304)  
Rome , Italy                                  01/23/13 - 01/25/13

SODA '13 ACM-SIAM Symposium on Discrete Algorithms (7315)  
New Orleans , LA                            01/06/13 - 01/08/13

**Note:**

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**Officers:**

**SIG Chair**

(01-Jul-15 - 30-Jun-18)    Michael Mitzenmacher    (Elected)

**SIG Vice Chair**

(01-Jul-15 - 30-Jun-18)    Toniann Pitassi    (Elected)

**SIG Conference Approver**

(01-Jul-15 - 30-Jun-18)    Michael Mitzenmacher    (Appointed)

**SIG Secretary/Treasurer**

(01-Jul-15 - 30-Jun-18)    Eric Vigoda    (Elected)

**SIG Executive Committee**

(01-Jul-15 - 30-Jun-18) Ryan Williams Ryan (Elected)

**SIG Member at Large**

(01-Jul-15 - 30-Jun-18) Anna Karlin (Elected)

**SIG Past Chair**

(01-Jul-15 - 30-Jun-18) Paul Beame (Appointed)

**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) Prof. Rocco A. Servedio (Elected)

(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)

**Listserv Administrator**

(01-Aug-14 - 31-Aug-15) Paul Beame (Appointed)

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**Awards:**

<b>Award</b>	<b>Description</b>
Service Prize 2013 Lane Hemaspaandra	Awarded annually for outstanding contributions of service to SIGACT; given at STOC; \$1000/\$700 for travel
Danny Lewin Best Student Paper 2013 Siu On Chan Aaron Bernstein	Awarded at the STOC Conference from student papers submitted to conf. \$500 and no travel \$ (renamed 2002)
SIGACT/SIGOPS Edsger W. Dijkstra Prize in Distributed Computing 2013 Nathan Linial	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.
Knuth Prize 2013 Gary L. Miller	Awarded annually with IEEE TCMFC for Outstanding Contributions alternately at STOC and FOCS; \$5000 and \$1000 for travel
SIGACT Godel Prize 2013 Antoine Joux Matthew K. Franklin Dan Boneh	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.

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**Viability:**

<b>Viability Report Date</b>	<b>Result</b>
February 02, 2015	
March 21, 2014	Found viable - return in 4 years
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

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**Annual Report Submission:**

<b>Year</b>	<b>Response</b>	<b>Note</b>
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	
FY 2014	Yes	
FY 2015	Yes	
FY 2016	Yes	

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**SGB Meeting Attendance:**

<b>Year</b>	<b>Response</b>	<b>Note</b>
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
MAR 14	Yes
OCT 14	Yes
MAR 15	Yes
AUG 15	Yes
MAR 16	Yes
OCT 16	Yes

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**Benefits:**

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