SIGBED

Name and Mission:

SIGBED: SIGBED Embedded Systems

SIGBED is intended to be a focal point within ACM for all aspects of embedded computing systems, including both software and hardware. Embedded systems has come to be recognized as a key discipline, which includes new computer and systems science foundations, new design technology, and new hardware and software frameworks.

Newsletters:

Volume	Issue	Issue Date	Actually Mailed
2010			
7	2	Volume 7 Issue 2, April 2010	01-APR-2010
7	1	Volume 7 Issue 1, January 2010	01-JAN-2010
2009			
6	3	Volume 6 Issue 3, October 2009	01-OCT-2009
6	2	Volume 6 Issue 2, July 2009	01-JUL-2009
6	1	Volume 6 Issue 1, January 2009	01-JAN-2009
2008			
5	3	Volume 5 Issue 3, October 2008	01-OCT-2008
5	2	Volume 5 Issue 2, July 2008	01-JUL-2008
5	1	Volume 5 Issue 1, January 2008	01-JAN-2008
2007			
4	4	Volume 4 Issue 4, October 2007	01-OCT-2007
4	3	Volume 4 Issue 3, July 2007	01-JUL-2007
4	2	Volume 4 Issue 2, April 2007	01-APR-2007
4	1	Volume 4 Issue 1, January 2007	01-JAN-2007
2006			
3	4	Volume 3 Issue 4, October 2006	01-OCT-2006

Note: SIGBED Review is issued quarterly electronically.

Membership: *based on fiscal year dates*

Year	Professional	Affiliate	Student	Designee	Total	Subscribers	1st Year Retention	2 + Years Retention	Total Retention
JUNE 2010	445	17	41	0	503	4	43.7	85.27	71.73
JUNE 2009	449	14	40	0	503	2	46.8	79.55	66.07
JUNE 2008	474	23	51	0	548	0	50.0	78.24	67.04
JUNE 2007	464	23	45	0	532	0	44.3	73.47	62.78

Fund Balance:

Year	Amount	Required	Delta	Discretionary	Discretionary Per Member
JUNE 2010	$219,046	$117,299	$54,752	$101,747	$202.28
JUNE 2009	$164,294	$100,643	$43,949	$63,651	$127.00
JUNE 2008	$120,345	$66,003	$76,854	$54,342	$99.00
JUNE 2007	$43,491	$64,035	$33,484	$-20,544	$0.00
JUNE 2006	$10,007	$55,443	$14,040	$-45,436	$0.00

Conferences:

Sponsored

SenSys11 - The 9th ACM Conference on Embedded Network Sensor Systems

Seattle , WA   11/01/11 -   11/04/11   Sponsor: 10.00%   Attendance: 0   Surplus/(loss): $0.00

ESWeek '11 - Seventh Embedded Systems Week

Taipei , Taiwan   10/09/11 -   10/14/11   Sponsor: 40.00%   Attendance: 0   Surplus/(loss): $0.00

NOCS'11 - International Symposium on Networks-on-Chips

Pittsburgh , PA   05/01/11 -   05/04/11   Sponsor: 15.00%   Attendance: 0   Surplus/(loss): $0.00

CPS Week 2011 - CPS Week 2011

, USA   04/11/11 -   04/14/11   Sponsor: 67.00%   Attendance: 0   Surplus/(loss): $0.00

SenSys10 - The 8th ACM Conference on Embedded Network Sensor Systems

Zurich , Switzerland   11/03/10 -   11/05/10   Sponsor: 10.00%   Attendance: 0   Surplus/(loss): $0.00

ESWeek '10 - Sixth Embedded Systems Week

Scottsdale , AZ   10/03/10 -   10/08/10   Sponsor: 40.00%   Attendance: 0   Surplus/(loss): $0.00

     WESS'10 - Workshop on Embedded Systems Security

                         10/03/10 -   10/03/10   Sponsor: 40.00%

ICDSC '10 - International Conference on Distributed Smart Cameras

Atlanta , GA   08/31/10 -   09/04/10   Sponsor: 25.00%   Attendance: 0   Surplus/(loss): $0.00

MEMOCODE '10 - 8th ACM/IEEE Conference on Formal Methods and Programming Models for Codesign

Grenoble , France   07/26/10 -   07/28/10   Sponsor: 15.00%   Attendance: 0   Surplus/(loss): $0.00

NOCS'10 - International Symposium on Networks-on-Chips

Grenoble , France   05/03/10 -   05/06/10   Sponsor: 15.00%   Attendance: 0   Surplus/(loss): $0.00

ICCPS '10 - ACM/IEEE 1st International Conference on Cyber-Physical Systems

Stockholm , Sweden   04/12/10 -   04/15/10   Sponsor: 50.00%   Attendance: 0   Surplus/(loss): $0.00   Papers: 70/20

IPSN '10 - The 9th International Conference on Information Processing in Sensor Networks (co-located with CPS Week 2010)

Stockholm , Sweden   04/12/10 -   04/15/10   Sponsor: 50.00%   Attendance: 0   Surplus/(loss): $0.00   Papers: 175/31

HSCC '10 - The 13th ACM International Conference on Hybrid Systems: Computation and Control

Stockholm , Sweden   04/12/10 -   04/16/10   Sponsor: 100.00%   Attendance: 0   Surplus/(loss): $0.00   Papers: 102/29

LCTES '10 - ACM SIGPLAN/SIGBED 2010 Conference on Languages, Compilers, and Tools for Embedded Systems

Stockholm , Sweden   04/12/10 -   04/16/10   Sponsor: 50.00%   Attendance: 0   Surplus/(loss): $0.00   Papers: 58/18

SenSys09 - The 7th ACM Conference on Embedded Network Sensor Systems

Berkeley , CA   11/04/09 -   11/06/09   Sponsor: 10.00%   Attendance: 283   Surplus/(loss): $83,164.00   Papers: 119/21

     WUWNet09 - International Workshop on UnderWater Networks

                         11/03/09 -   11/03/09   Sponsor: 10.00%

     BuildSys '09 - BuildSys '09 - 1st workshop on Embedded Sensing Systems for Energy-Efficiency in Buildings

                         11/03/09 -   11/04/09   Sponsor: 10.00%

ESWeek '09 - Fifth Embedded Systems Week

Grenoble , France   10/11/09 -   10/16/09   Sponsor: 40.00%   Attendance: 300   Surplus/(loss): $48,336.00   Papers: 106/33

     WESE '09 - 2009 Workshop on Embedded Systems Education

                         10/15/09 -   10/15/09   Sponsor: 40.00%

     WESS'09 - Workshop on Embedded Systems Security

                         10/15/09 -   10/15/09   Sponsor: 40.00%

ICDSC '09 - International Conference on Distributed Smart Cameras

Como , Italy   08/30/09 -   09/02/09   Sponsor: 25.00%   Attendance: 97   Surplus/(loss): $10,174.00

MEMOCODE'09 - 7th ACM/IEEE Conference on Formal Methods and Programming Models for Codesign

Cambridge , MA   07/13/09 -   07/15/09   Sponsor: 15.00%   Attendance: 47   Surplus/(loss): $1,849.00

LCTES '09 - ACM SIGPLAN/SIGBED 2009 Conference on Languages, Compilers, and Tools for Embedded Systems

Dublin , Ireland   06/19/09 -   06/20/09   Sponsor: 50.00%   Attendance: 47   Surplus/(loss): $6,209.00   Papers: 81/18

NOCS'09 - International Symposium on Networks-on-Chips

La Jolla , CA   05/10/09 -   05/13/09   Sponsor: 15.00%   Attendance: 71   Surplus/(loss): $5,127.00

IPSN '09 - The 8th International Conference on Information Processing in Sensor Networks (a part of CPS Week 2009)

San Francisco , CA   04/15/09 -   04/18/09   Sponsor: 50.00%   Attendance: 155   Surplus/(loss): $25,973.00

- Sensor Networks for Earth and Space Science Applications
04/15/09 -   04/15/09   Sponsor: 50.00%

- Sensor Networks for Earth and Space Science Applications
04/15/09 -   04/15/09   Sponsor: 50.00%

HSCC'09 - Hybrid Systems: Computation and Control (a part of CPS Week 2009)
San Francisco , CA   04/13/09 -   04/16/09   Sponsor: 100.00%   Attendance: 93   Surplus/(loss): ($421.00)

SenSys08 - The 6th ACM Conference on Embedded Networked Sensor Systems
Raleigh , NC   11/04/08 -   11/07/08   Sponsor: 10.00%   Attendance: 208   Surplus/(loss): $32,472.00

ESWEEK 08 - Fourth Embedded Systems Week (jointly CODES+ISSS, EMSOFT, and CASES)
Atlanta , GA   10/19/08 -   10/24/08   Sponsor: 40.00%   Attendance: 297   Surplus/(loss): $14,548.00

ICDSC08 - International Conference on Distributed Smart Cameras
Palo Alto , CA   09/07/08 -   09/11/08   Sponsor: 25.00%   Attendance: 116   Surplus/(loss): $5,181.00

LCTES08 - ACM SIGPLAN/SIGBED 2008 Conference on Languages, Compilers, and Tools for Embedded Systems
Tucscon , AZ   06/12/08 -   06/13/08   Sponsor: 50.00%   Attendance: 57   Surplus/(loss): $5,928.90

MEMOCODE08 - 6th ACM/IEEE Conference on Formal Methods and Programming Models for Codesign (co-located with DAC 2008)
Anaheim , CA   06/05/08 -   06/07/08   Sponsor: 15.00%   Attendance: 41   Surplus/(loss): $10,590.00

HSCC08 - Hybrid Systems: Computation and Control
St. Louis , MO   04/22/08 -   04/24/08   Sponsor: 100.00%   Attendance: 81   Surplus/(loss): $6,111.00

IPSN '08 - The 7th International Conference on Information Processing in Sensor Networks
St. Louis , MO   04/22/08 -   04/24/08   Sponsor: 50.00%   Attendance: 131   Surplus/(loss): $36,983.00

SenSys07 - The 5th ACM Conference on Embedded Network Sensor Systems
Sydney , Australia   11/04/07 -   11/09/07   Sponsor: 10.00%   Attendance: 153   Surplus/(loss): $27,526.00

SenseID'07 - 1st ACM Workshop on Convergence of RFID and Wireless Sensor Networks and their Applications.
11/11/07 -   11/11/07   Sponsor: 10.00%

ESWEEK07 - Third Embedded Systems Week (jointly CODES+ISSS, EMSOFT, and CASES)
Salzburg , Austria   09/30/07 -   10/05/07   Sponsor: 40.00%   Attendance: 322   Surplus/(loss): $46,868.00

ICDSC07 - International Conference on Distributed Smart Cameras
Vienna , Austria   09/26/07 -   09/28/07   Sponsor: 25.00%   Attendance: 91   Surplus/(loss): $16,188.00

LCTES 07 - ACM SIGBED-SIGPLAN Conference on Languages, Compilers and Tools for Embedded Systems (co-located with FCRC 2007)
San Diego , CA   06/13/07 -   06/16/07   Sponsor: 50.00%   Attendance: 75   Surplus/(loss): $1,110.00

NOCS07 - International Symposium on Networks-on-Chips
Princeton , NJ   05/09/07 -   05/11/07   Sponsor: 20.00%   Attendance: 101   Surplus/(loss): $20,142.00

IPSN07 - The 6th International Conference on Information Processing in Sensor Networks
Cambridge , MA   04/25/07 -   04/27/07   Sponsor: 50.00%   Attendance: 224   Surplus/(loss): $89,358.04

InCooperation

The 30th International Conference on Computer Safety, Reliability and Security.
Naples , Italy   09/19/11 - 09/21/11

5th International ICST Conference on Nano-Networks
Atlanta , GA   03/14/11 - 03/16/11

International Conference on High-Performance and Embedded Architectures and Compilers
Heraklion , Greece   01/24/11 - 01/26/11

2nd International ICST Conference on Sensor Systems and Software
Miami , FL   12/13/10 - 12/15/10

ACM SIGAda Annual International Conference
Fairfax , VA   10/24/10 - 10/28/10

ACM SIGAda Annual International Conference
Saint Petersburg , FL   11/01/09 - 11/05/09

6th FPGAworld Conference
Stockholm , Sweden   09/10/09 - 09/10/09

Sensor, System and Software
Pisa , Italy   09/07/09 - 09/09/09

International Conference on Distributed Computing in Sensor Systems
Marina Del Rey , CA   06/07/09 - 06/10/09

Fifth International Workshop on Embedded Networked Sensors
Charlottesville , VA   06/02/08 - 06/03/08

Fifth International Workshop on Embedded Networked Sensors
Charlottesville , VA   06/02/08 - 06/03/08

International Workshop on Software and Compilers for Embedded Systems
Munich , Germany   03/13/08 - 03/14/08

ACM Bangalore Chapter COMPUTE 2008
Bangalore , India   01/18/08 - 01/20/08

Fourth International Workshop on Embedded Networked Sensors
Cork , Ireland   06/25/07 - 06/26/07

Joint Workshop on High Confidence Medical Devices, Software & Systems and MEdical Device Plug-and Play Interoperability 2007
Cambridge , MA   06/25/07 - 06/27/07

5th ACM/IEEE Conference on Formal Methods and Programming Models for Codesign
Nice , France   05/30/07 - 06/02/07

International Workshop on Software and Compilers for Embedded Systems
,   04/20/07 - 04/20/07

Computation and Control
Pisa , Italy   04/03/07 - 04/05/07

Officers:

SIG Chair
(01-Jul-09 - 30-Jun-11)   Marilyn Claire Wolf   (Elected)

SIG Vice Chair
(01-Jul-09 - 30-Jun-11)   Prof. Dr. Christoph Kirsch   (Elected)

SIG Conference Approver
(01-Jul-09 - 30-Jun-11)   Marilyn Claire Wolf   (Appointed)

SIG Secretary/Treasurer
(01-Jul-09 - 30-Jun-11)   Stavros Tripakis   (Elected)

SIG Past Chair
(01-Jul-09 - 30-Jun-11)   Lothar Thiele   (Appointed)

SIG Chair
(01-Jul-07 - 30-Jun-09)   Lothar Thiele   (Elected)

(01-Jul-05 - 30-Jun-07)	Rajeev S Alur	(Elected)
(01-Jul-04 - 30-Jun-05)	Dr. Janos Sztipanovits	(Extended)

SIG Vice Chair

(01-Jul-07 - 30-Jun-09)	Jens Palsberg	(Elected)
(01-Jul-05 - 30-Jun-07)	Martin Rinard	(Elected)
(01-Jul-04 - 30-Jun-05)	Donald E Thomas	(Extended)

SIG Conference Approver

(01-Jul-07 - 30-Jun-09)	Lothar Thiele	(Elected)

SIG Secretary/Treasurer

(01-Jul-07 - 30-Jun-09)	Prof. George James Pappas	(Elected)
(01-Jul-05 - 30-Jun-07)	Jens Palsberg	(Elected)
(01-Jul-04 - 30-Jun-05)	Prof Anand Sivasubramaniam	(Appointed)

SIG Past Chair

(01-Jul-07 - 30-Jun-09)	Rajeev S Alur	(Appointed)

SIG Immediate Past Chair

(01-Jul-05 - 30-Jun-07)	Dr. Janos Sztipanovits	(Appointed)

NS Information Director

(01-Jul-04 - 31-Dec-05)	Prof Anand Sivasubramaniam	(Appointed)

Board of Directors

(01-Jul-04 - 30-Jun-05)	Mr. Alberto Sangiovanni-Vincente	(Extended)
(01-Jul-04 - 30-Jun-05)	Joseph Sifakis	(Extended)
(01-Jul-04 - 30-Jun-05)	John A. Stankovic	(Extended)
(01-Jul-04 - 30-Jun-05)	Reinhard Wilhelm	(Extended)
(01-Jul-04 - 30-Jun-05)	Marilyn Claire Wolf	(Extended)
(01-Jul-04 - 30-Jun-05)	Mr. Hiroto Yasuura	(Extended)
(01-Jul-04 - 30-Jun-05)	Prof Feng Zhao	(Extended)
(01-Jul-04 - 30-Jun-05)	Mary Jane Irwin	(Extended)
(01-Jul-04 - 30-Jun-05)	Thomas A Henzinger	(Extended)
(01-Jul-04 - 30-Jun-05)	Prof Rolf Ernst	(Extended)
(01-Jul-04 - 30-Jun-05)	Prof Nikil Dutt	(Extended)
(01-Jul-04 - 30-Jun-05)	Gerard Berry	(Extended)
(01-Jul-04 - 30-Jun-05)	Amir Pnueli	(Extended)
(01-Jul-04 - 30-Jun-05)	Insup Lee	(Extended)
(01-Jul-04 - 30-Jun-05)	Trevor Mudge	(Extended)
(01-Jul-04 - 30-Jun-05)	Frank Mueller	(Extended)

Awards:

Award	Description
SIGBED/SIGSOFT Frank Anger Award	The award provides stipends for two students, one named by each SIG, to attend the flagship conference of the other SIG. The award is meant to improve the mutual awareness of the two research communities to the opportunities and challenges emerging in complimentary research areas
SIGBED-EMSOFT Best Paper Award	Presented to the individual(s) judged by the award committee to have writeen the best paper appearing in the EMSOFT conference proceedings.

Viability:

Viability Report Date	Result
March 08, 2010	Review postponed to Fall 2010 -see note
October 10, 2009	Review postponed to Spring 2010
October 30, 2006	Found viable- return in 3 years
October 03, 2004	Granted permanent status

Note: March 2010- The SGB EC leadership has granted SIGBED another postponement. No additional postponements will be considered. If a review is not presented at the next SGB meeting, the SIG will be placed in transition.

Annual Report Submission:

Year	Response	Note
FY 2001	N/A	
FY 2002	N/A	
FY 2003	N/A	
FY 2004	Yes	
FY 2005	Yes	
FY 2006	Yes	
FY 2007	Yes	
FY 2008	Yes	
FY 2009	Yes	
FY 2010	Yes	

SGB Meeting Attendance:

Year	Response	Note
OCT 99	No	
FEB 00	No	
OCT 00	No	
MAR 01	No	
AUG 01	No	
FEB 02	No	
SEP 02	No	
MAR 03	No	
SEP 03	Yes	
MAR 04	No	
OCT 04	No	
MAR 05	No	
AUG 05	Yes	
FEB 06	Yes	
OCT 06	Yes	
FEB 07	Yes	
JUL 07	Yes	
FEB 08	Yes	
SEP 08	No	
MAR 09	Yes	
OCT 09	Yes	
MAR 10	No	

Benefits:

2011

Member Benefits provided to SIGBED Members:
- Newsletter -Members receive the SIGBED Newsletter, *quarterly,* online only.
- Bimonthly Newsletter that will be sent via email, starting in 09.
- Reduced registration at conferences sponsored by SIGBED
- Access to SIGBED content in the ACM Digital Library
- ACM SIGBED/SIGSOFT Frank Anger Memorial Student Award given annually to student members to promote interdisciplinary research.

Community Benefits provided by SIGBED:
- Sponsorship of EMSOFT, CASES, LCTES, IPSN, SENSYS, and CODES+ISSS conferences.
- SIGBED- members and SENSORNET mailing lists
- Members of the SIGBED community serve on the editorial board of ACM's publication, "ACM Transactions on Embedded Computing Systems" and "ACM Transactions on Sensor Networks"
- SIGBED has taken the initiative to create "Embedded Systems Week" as a premier event with co-location of multiple conferences such as EMSOFT, CASES, and CODES+ISSS
- SIGBED has established together with the EMSOFT Conference the "SIGBED EMSOFT Best Paper Award"