



ACM SIGDA Viability Report

ACM SIGDA Executive Committee
Presented by Naehyuck Chang, SIGDA Chair

- **SIGDA Celebrated the 50th anniversary of Design Automation Conference sharing five decades of leadership in Electronics Design Automation (EDA)**
 - Contribution to continuous semiconductor scaling including
 - Design tools and methodologies, power/thermal management, technologies/tools/applications for emerging technologies
 - Educational activities and professional development
 - Visions for the next decades of EDA
 - Emphasis on embedded systems and software for the last decade
 - Vertical integration with cross-layer optimization: automotive and security at 50th DAC
 - Moving together with the 20th anniversaries of ASP-DAC 2015 and DATE 2017, and 35th of ICCAD
- **Newly launched 5 SIGDA Asian Local Chapters**
 - Northern China (Beijing), Southern China (Chengdu+Shanghai), Taiwan, Hong Kong, and Singapore
 - Korean Chapter will be launched in April
- **ACM SIGDA affiliated professional awards**
 - 2012 SIGDA IEEE Fellows: Kaustav Banerjee, David Blaauw, Naehyuck Chang
 - 2012 SIGDA ACM Fellows: Andrew Kahng, Karem Sakallah
 - 2013 SIGDA IEEE Fellows: Igor Markov, Subhasish Mitra, Radu Marculescu, Chris Myers
 - 2013 SIGDA ACM Fellows: Krishnendu Chakrabarty
 - 2014 SIGDA IEEE Fellows: David Pan, Mircea Stan, Sujit Dey, Helmut Graeb, Cecilia Metra, Marios Papaefthymiou, Sandeep Shukla
- **High SIGDA membership retention**
 - Membership retention rate has remained high at 70%-80% over the last 4 years
 - SIGDA mailing list is big and more than 20,000 people are receiving SIGDA E-Newsletter
 - Local chapters will increase SIGDA members
- **Student Research Competition (SRC)**
 - Collocated SRC at ICCAD from 2013 (The first three years were at DAC)
 - SRC 2013 received 42 submissions
 - The 2011 SIGDA SRC winner won the 2011 Grand Final, and 2012 winner received a bronze medal in the 2013 ACM Grand Final



- **PhD Forum**

- Jointly operated with DAC A. Richard Newton Young Student Fellow (YSF) Program and 60 fresh graduate students were mixed with 25 PhD Forum presenters
- Travel grants were provided to all students
- SIGDA started to support DATE PhD Forum since 2013 and plan to support ASP-DAC PhD Forum from 2015

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- **Co-sponsored events have significant discrepancy in policies and practices**

- Co sponsors
 - IEEE CAS, IEEE CEDA, EDA Consortium, EDAA, IFIP, etc.
- Efforts to overcome the discrepancy and misunderstanding
 - Cooperation with other sponsors for more common mission statements
 - Conference organizer education
 - Participating in the conference steering committee meetings
 - DAC, ICCAD and ASP-DAC have official sponsorship committee meetings
 - Special request for ESWeek 2012 SC meeting and ASP-DAC 2014 Technology Transfer Meeting
 - Conference organizer meetings
 - Local chapters: chapter officers are potential conference organizers
- Progress
 - IEEE CEDA becomes more controlled by IEEE
 - DAC budget balance has been improved

- **SIGDA accumulates fund balance**

- Required balance for FY14 was \$741,758
- Need to develop more activities to return the balance to ACM SIGDA members
 - Provide more travel grants
 - Expand the educational activities
 - Create new programs

Year	2008	2009	2010	2011	2012	2013
DAC Expense	4,834,330	3,788,652	3,250,090	3,277,711	3,156,706	2,967,942
SIGDA DAC balance	-105,379	-64,563	53,251	49,085	34,907	42,183
SIGDA fund balance		1,665,531	1,578,258	1,696,640	1,776,576	1,884,995