



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 50t
 - Moving together with the 20th anniversaries of ASP-DAC 2015 and DATE 2017, and 35th of ICCAD
- **Newly launched 6 SIGDA Asian Local Chapters**
 - Northern China (Beijing), Southern China (Chengdu+Shanghai), Taiwan, Hong Kong, Singapore, and Korea
- **ACM SIGDA affiliated professional awards**
 - IEEE and ACM Fellows
- **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 2,700 people are receiving SIGDA E-Newsletter
 - Local chapters will increase SIGDA members
- **Successful and growing educational activities**
 - Student Research Competition (SRC)
 - PhD Form at DAC, DATE and ASP-DAC



- Co-sponsored events have significant discrepancy in policies and practices
 - 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
 - We are partnering more with IEEE CEDA and IEEE
 - DAC budget balance has been improved
 - \$105K cumulative loss in 2008 and \$42K cumulative surplus in 2013
- SIGDA accumulates fund balance
 - Required balance for FY14 was \$741,758, but the surplus is around \$1.3M
 - Need to develop more activities to return the balance to ACM SIGDA members
 - Provide more travel grants
 - Expand the educational activities
 - Create new programs