

SIGBED FY'06 ANNUAL REPORT
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SIGBED continued to grow and develop its identity during its third year. Recently, we instituted our first award, Frank Anger Memorial SIGBED/SIGSOFT Student Award. This award is to promote interdisciplinary research between embedded systems and software engineering. SIGBED has distributed the call for applications from eligible students, and we expect to announce the award at SIGBED business meeting in October during our flagship meeting EMSOFT.

SIGBED research seems to be growing along two interdependent themes. On the applications side, sensor networks has emerged to be an exciting new area that has the potential to transform our society.

IPSN (jointly sponsored by SIGBED and IEEE) has become a key forum for researchers in this area, and this meeting is witnessing amazing growth in terms of attendance and submissions. In terms of foundations, EMSOFT is maturing to be an important conference drawing researchers studying programming languages, real-time scheduling, model-based design, and formal methods.

SIGBED has made a conscious effort to bring together related meetings. As a result, in October 2006, Embedded Systems Week (ESWEEK) in Seoul will host EMSOFT as well as CODES-ISSS (a conference focused on low-level issues of design and implementation of embedded systems) and CASES (a conference with emphasis on architecture and compiler aspects of embedded systems). We hope this will attract new researchers, students, and practitioners to the area.

Going forward, we will continue to be a catalyst for integrating various research themes in embedded systems into a coherent academic subdiscipline. We would like to focus on attracting more practitioners to SIGBED, perhaps by orienting SIGBED Review more to the taste and needs of practitioners. It is also worth noting that embedded systems is a very active area of research in Asian countries (China, Taiwan, Korea, India, Japan), and this opens up an opportunity to increase ACM's presence in these countries.

