Student Leadership Council

2003
SLC Mission

Create an environment for students of the Center to share, develop and understand concepts related to environmentally benign semiconductor manufacturing.

As students we would like to pave a path for success and achievement between ourselves, industry and the scientific community.
SLC Architecture

- NSF
- PI’s
- ERC Admin.
- Outreach / Community
- Industrial Advisory Board

SLC Organization

NSF/SRC Engineering Research Center for Environmentally Benign Semiconductor Manufacturing
2003 SLC Leaders

University of Arizona
Darren DeNardis
Michael Schmotzer
Jam Sorooshian
Beth Swanson
Adam Thorsness
Daniel Yoemans

Stanford University
Utkan Demirci

UC Berkeley
Kasi Keihlbaugh

Cornell University
Victor Quan Pham

Arizona State University
Sean Eichenlaub

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Objectives

– **Student representation and communication** – with NSF, ERC administration, faculty, students, industrial partners
– **Service** – outreach to undergrads and k-12
– **Broaden student experience** – sponsor student seminars/workshops, outreach, and social functions
– **Organization** - plan, coordinate, and execute activities that reflect student interests
– **Leadership** - opportunity to develop leadership and management skills that may not be part of the technical curriculum
Opportunities for Student Members

• Increased Networking

• Opportunity to be involved in outreach to younger students and the community

• Chance to socialize with other Center students

• Broaden the student experience
  – organize special interest seminars and short courses
  – gain management and leadership experience
Organization & Leadership

• Organizational Integrity
  – SWOT (Strengths, Weaknesses, Opportunities & Threats) Analysis (http://www.erc.arizona.edu/students/survey.asp)

• Organizing Tele-seminars

• Annual review and summer retreat planning

• Student travel requests and surplus equipment requests

• Mentoring Organization and Implementation with IAB
Outreach

• Internal SLC Activities – For existing Graduate Student Members
  – Student seminars
  – Faculty seminars
  – Industrial tours

• Undergraduate Activities
  – Introduction to ERC
  – Tours and presentations to highlight grad school
  – Undergraduate research mentors (REU)

• K-12 Activities
  – Introduce engineering concepts
  – Classroom presentations
  – Lab tours
  – Judge science fairs
  – Collaborative effort to mentor local high school students

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Mentoring

• SLC & IAB
  – The industrial advisory board’s involvement with students to receive essential industrial feedback concerning their specific area of research
  – Create possibilities for exchanging resources

• Undergraduate
  – Guidance through the assistance of the SLC mentoring committee towards understanding the Center’s goals and receiving a valuable research experience

Established collaborative effort towards human resource opportunities (i.e. Full-time employment, internships…)

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Student Activities

Retreat activities are moments when hard working students are able to let their hair down and enjoy the company of one another in a non-academic setting.

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Future Goals

• **Internal Industrial Placement (IIP)** – A new concept designed to generate a series of local student databases for student placement upon internship or job opportunities

• **Web-Mentorship** – create a cyber environment for industry & student discussion. More manageable and compliable with the time constraints of today