I. Minutes: none.

II. Communication(s) and Announcement(s): none.

III. Reports:

A. Academic Senate Chair: Rein reported that the focus of the discussion at the Executive Committee level is simply to determine if a resolution is ready to move to the full senate, not its merit.

B. President’s Office: Kinsley reported that Steve Rein is the Academic Senate’s main point of contact but she is always available to meet with anyone. The CSU Board of Trustees is discussing issues that affect everyone such as upper-division GE, pension, and health issues.

C. Provost: Enz Finken reported that the reorganization of Academic Affairs will be completed by the end of fall quarter. A search is underway for an Associate Vice Provost for Industry Partnerships and Sponsored Research. A memo will go out soon regarding the Student Success Fee allocation. Other issues being discussed include upper-level GE courses, changing current space into large classrooms, converting from quarters to semesters, and the 4-year graduation rate.

D. Statewide Senate: Foroohar reported that the CSU Board of Trustees is discussing a policy that would require exactly 120/180 units wherever possible. Various issues are being discussed for cutting the budget if proposition 30 fails, including cutting salaries, raising tuition, increasing out of state tuition and graduate programs tuition, among others. In addition, a resolution is being developed supporting a yes vote on proposition 30 and a no vote on proposition 32. The search for a new chancellor continues with six candidates making the first round. Round two is scheduled for October 3. LoCascio added that a $250 million trigger-cut could lead to layoffs. In addition, a community college transfer model for engineering is being developed.

E. CFA Campus President: Thorncroft announced that a contract is proceeding after receiving a 91% vote in favor of ratifying. Outreach and education efforts are being planned to discuss the nature of the contract including the evaluations provision.

F. ASI Representative: Morrow reported that ASI is preparing members of student government to serve on committees. In addition, ASI will be working on a voter registration drive October 9-22 as well as The Mustang Way. ASI is working on various ways to get students to understand The Mustang Way with the hope that it becomes part of the campus culture. During the summer, the CSSA Board of Directors voted to suspend the Strategic Plan and are rewriting it without the growth (dollar fee) element. A vote on the revision will take place in November.

G. Caucus Chairs: none.

H. Other: none.
IV. Business Items:
A. Resolution on the Proposal for the Establishment of the Institute for Advanced Technology & Public Policy (Blakeslee, CA senator/Piirto, CAFES professor): Piirto presented this resolution, which requests the Academic Senate's approval for the establishment of the Institute for Advanced Technology and Public Policy. PowerPoint presentation by Sam Blakeslee is available at <http://www.academicsenate.calpoly.edu/content/meetings_calendar> M/S/P to agendize the resolution.

B. Appointment of nominees to the search committee for Executive Director for Campus Diversity and Inclusivity: M/S/P to approve Rachel Johnson, Academic Advisor for PCS and Camille O'Bryant from Kinesiology.

C. Appointment of nominees to the Quarters-to-Semester Task Force: Rein announced that four nominations have been received from CAFES, six from CAED, one from OCOB, six from CENG, six from CLA, four from CSM, and one from PCS. Discussion of all nominations and selection of representatives will take place at the next Executive Committee meeting scheduled for Thursday, September 20.

D. Appointment of CSM faculty member to the Academic Senate for 2012-2014: Due to lack of time, this item was not addressed.

E. Resolution on Conflict of Interest in the Assignment of Course Materials (Instruction Committee): Due to lack of time, this item was not addressed.

F. Appointment of nominees to Academic Senate committee vacancies: Due to lack of time, this item was not addressed.

G. Appointment of nominees to university committees: Due to lack of time, this item was not addressed.

V. Discussion Items:
A. Support for the ASCSU resolution on “Support of Proposition 30 on the November 2012 Ballot: Temporary Taxes to Fund Education – Guaranteed Local Public Safety Funding”: Due to lack of time, this item was not discussed.

B. Possible amendments to the Academic Senate Constitution of the Faculty: (1) role of Senate Secretary, (2) formula for senators in small units, (3) review of General faculty membership, (4) voting status for two ASI representatives. Due to lack of time, this item was not discussed.

VI. Adjournment: 5:04 pm

Submitted by,

Gladys Gregory
Academic Senate
Advanced Technology & Public Policy Institute

Multidisciplinary Problem Solving for the 21st Century

9/18/12
Mission

The mission of the Advanced Technology and Public Policy Institute at Cal Poly is to advance student success by providing a unique academic environment that builds collaborative problem-solving skills while addressing real world public policy challenges facing California.

The Institute shall be self-supporting, non-partisan, and committed to the established principals of academic freedom.
## Goals

- **Train Tomorrow’s Leaders:**
  Cal Poly’s students are competing with students from Berkeley, Stanford, CalTech and elsewhere. Our students should be the future leaders in the public sector and private industry. The Institute will provide insights and academic experiences that will help Cal Poly students compete to be not just great employees, but true leaders in the fields of their choice.

- **Advance Faculty Scholarship:**
  Professional development is essential in all disciplines, but particularly for those fields affected by rapidly evolving technologies. The Institute will help connect interested faculty to government and industry leaders who are working on issues that would benefit from Cal Poly faculty research and involvement.

- **Strengthen Cal Poly’s Ability to Attract Support:**
  With state budgets in decline, competition for scarce resources has never been fiercer. The Institute will help attract funding from non-traditional sources that are willing to invest in programs that address pressing public policy challenges with an advanced-technology nexus.
Action Plan

The Institute’s goals would be principally accomplished through a program that includes the following:

- A two-quarter seminar that allow participating students to augment their standard curriculum with a unique multi-disciplinary learning experience
- Annual conferences that bring world-class guest speakers to Cal Poly and enable students/faculty to participate in policy discussions with agency, industry, and political leaders
- Scholarships, internships, certificates, and recognition for students
Whole Systems Approach:
Forge Relationships

California Public Policy Makers
- State Legislature,
- CPUC, CEC, SWB, CARB,
- CA Dept Food and Ag,
- Ca Dept Forestry

Corporate Partners
- Tech-Net,
- Silicon Valley Leadership Group,
- Tech America
- BioCom, BayBio

Cal Poly – Faculty & Students
- College of Liberal Arts
- College of Ag, Food, & Env Sci
- College of Science & Mathematics
- College of Business
- College of Engineering
- College of Architecture
Learn by Doing:
Create Multidisciplinary Teams

- As is common in MBA programs, students enrolled in the Institute will be organized into multidisciplinary teams. Problem solving in the 21st-century Innovation Economy requires the ability to operate in cross-disciplinary environment that facilitate seamless communication and coordination between those with expertise in:
  - Technology (Scientists, Mathematicians, and Engineers)
  - Public Policy & Government Relations (Political Science)
  - Finance & Strategic Planning (Business)
  - Marketing (Communications)

- Explore one or more pressing public policy challenges which can be addressed in new ways through the use of advanced technologies, e.g.
  - Water Conservation in Agriculture
  - Biofuels for Transportation
  - Genetically Modified Organisms in foods and consumer products
  - Desalinization for Coastal Communities
  - Fuel Cell, Co-Gen, and Renewable Generation for Manufacturing
  - Green Building Technologies for Residential and Commercial Construction
  - Cybersecurity for Government Transparency and Accountability
  - Waste-to-Recycle/Energy Solutions for Sustainable Resource Use
Learn by Doing: Student Curriculum

- First quarter: lectures and readings
  - Lectures regarding real-world considerations of public policy development from an applied perspective with analysis of case studies of successes and failures of the past
  - Presentations by experts in public policy and technology - including current and former elected officials, agency experts, technologists, clean-tech entrepreneurs

- Second quarter: Fellow Proposals
  - Each Fellowship will conclude with written proposals developed by each cross-disciplinary team that describes their strategies for solving a current real-world challenge in way that addresses the technology, public policy, and communications dimensions of the project – each student writing separate chapters in proposal
  - Written proposals will be provided to affiliated faculty, participating legislative offices, policy makers and corporate partners to help advance the discussion beyond the walls of the University

- Graduates: Institute Student Leaders
  - Receive stipends and scholarships to assist with financial need
  - Obtain work experience with industry and public sector partners at their workplace
  - Conduct further research and development of their Fellow Proposal
  - Mentor current-year students in Fellows Program
  - Work with faculty to assist with grant writing for funding with other non-profits, education foundations, state and federal agencies
Teacher-Scholar Model

- Strengthen cooperative ties between Cal Poly, Industry, and State Policy Leaders

- Improve awareness among Cal Poly’s faculty of pressing research challenges of particular importance within the private and public sector

- Establish an Institute Scholars Program (developing)
  - Solicit research ideas and proposals from interested faculty
  - Provide contributing lecturer roles at the Institute
  - Network interested faculty with private and public sector opportunities to conduct grant-supported research
Further Enhance Cal Poly’s Reputation

- Conduct publicized annual policy conference addressing cutting-edge problems which highlight Cal Poly’s leadership with participation by:
  - world class guest speakers and thought leaders
  - experienced voices in government, academia, and industry
  - Institute Student Fellows, Student Leaders, and Faculty Scholars

- Demonstrate value of Institute’s Fellows, Leaders, and Scholars Program
  - Provide a unique learning and resume building opportunity that will serve as a magnet for high-quality students from around the state, nation, and world further enabling Cal Poly to better compete with top institutions like Berkeley and Stanford,

- Expand Advancement and Fundraising opportunities
  - Assemble new networks of Partners and Sponsors from the employer, advocacy, and public policy community
  - Assist in raising funds for Cal Poly Foundation by demonstrating Cal Poly’s innovation and forward leaning programs

- Annual community awards luncheon held locally to recognize student and faculty contributions and build awareness and support locally