

Goal 2: Create a vibrant and innovative community of scholars — faculty, staff, and students — who will produce significant and high-impact discoveries, serving a wide range of stake-holders.

Strategy	Tasks and Tactics	Metrics and Targets	Who?
<p>2a. Strengthen existing EEE research community</p> <p><i>Overall targets:</i> For academic years 2010-11, 2011-12, and 2012-13, respectively: External proposals with EEE as submitting unit: 5, 10, 15</p> <p>EEE-related external proposals with EEE affiliated faculty as PI or co-PI: 15, 25, 30</p> <p>External awards value with EEE as submitting unit (\$K): 100, 500, 800</p> <p><i>NOTE: THESE NUMBERS MAY BE ADJUSTED FOLLOWING CLARIFICATION ON THE IMPLICATIONS OF EEE AS THE SUBMITTING UNIT.</i></p>	i. Collaboratively identify signature areas for EEE research. Assign faculty to lead ad-hoc task forces for each research area to summarize the research opportunities and EEE “holes.”	<i>metrics:</i> Creation of “white papers” for each research area, stating needs, proposed direction, and opportunity for EEE to contribute; Number of collaborative proposals submitted from each signature area.	Sutherland, EEE Faculty
	ii. Host seminars and workshops, and other faculty events, especially integrative and interdisciplinary events with other campus groups, e.g., PWC, PICES, PCCRC, GSI, C4E, appropriate Schools of Engineering.	<i>metrics:</i> Number of seminars and events; evaluation efforts of seminars and events; number of collaborations with other campus groups.	unassigned?
	iii. Facilitate and encourage EEE-administered research grants and awards	<i>metrics:</i> number and amount (\$) of EEE-administered proposals (see overall targets)	Sutherland
	iv. Support undergraduate research, e.g., through collaboration with REU Site, SURF, and DURi	<i>metrics:</i> number of UG students participating in research; survey of student experience; number of EEE POS graduates pursuing graduate degrees.	Hoffmann, Hua
	v. Seek large “center” grants, such (e.g., ERC, IUCRC) to support integrated thematic research	<i>metrics:</i> number of center grant proposals from EEE faculty.	Sutherland, EEE faculty
	vi. Facilitate collaborative proposals and publications among EEE faculty	<i>metric:</i> number of proposals and publications from multiple EEE faculty members.	Sutherland, Exec.Comm.
	vii. Actively seek partnerships with other Schools of Engineering for projects or portions of projects related to EEE concepts.	<i>metric:</i> number of proposals and number of projects with co-PIs from EEE and other Schools of Engineering.	Sutherland
	viii. Seek to provide research seed funding to EEE faculty, especially for preliminary work that leads to external support.	<i>metric:</i> Amount of funding provided to EEE faculty to seed research projects; success of external proposals from these seeds.	Sutherland

Strategy	Tasks and Tactics	Metrics and Targets	Who?
2b. Identify additional personnel needed and key areas of research growth for EEE.	i. Actively recruit current Purdue Faculty to join EEE as affiliates/appointees. Seek to engage faculty from a wide variety of Schools, Departments across campus.	<i>metric:</i> Number of EEE affiliates, number of represented Schools and Departments. <i>target:</i> 40 faculty from 15 departments by May 2011; 50 faculty by May 2012.	Sutherland, EEE faculty
	ii. Through broad collaborative planning, identify key research areas for hiring, and seek to hire new faculty for Fall 2011.	<i>metrics:</i> Approved and detailed faculty area hiring plan by January 2011, approval to seek to hire at least one new faculty member for Fall 2011 and at least one for Fall 2012.	Sutherland, Planning committee
	iii. Identify and pursue key partnerships for faculty hiring outside of EEE, e.g., ecology and GSIS Signature Area	<i>metrics:</i> Partnerships and letters of support in pursuit of potential EEE partner faculty in other fields.	Sutherland, Planning committee
2c. Enhance EEE research infrastructure and services	i. Develop and submit to CoE a detailed space needs and expansion plan with five- and ten-year horizons, including needed research/ laboratory space and graduate student office space. The plan should leverage space needs of other units and groups on campus.	<i>target:</i> Submission of initial plan by December 2010.	Planning committee
	ii. Perform an available equipment and instrumentation inventory, and develop a plan for models of acquisition of new instrumentation, either EEE alone or through campus partnerships	<i>metrics:</i> Number of partnerships developed to assist in acquisition of instrumentation for EEE faculty.	Planning committee, EEE faculty
	iii. Develop a plan for future research technical support.	<i>target:</i> Complete plan by May 2011.	Planning committee
2d. Enhance faculty and student diversity in EEE	i. Partner with WIEP and MEP to encourage students from under-represented groups to learn about and consider EEE.	<i>metrics:</i> Number of partnering activities; number of under-represented students joining EEE.	Hoffmann
	ii. Create and follow clear plans for best practices that encourage diversity in the hiring process of new faculty and the process of recruiting new affiliates to EEE, in collaboration with appropriate campus resources (e.g., ADVANCE)	<i>metrics:</i> Best practices document adoption by January 2011; Training or advice to hiring committees from appropriate campus-level offices as appropriate; Assessment post-search of effectiveness and compliance with best practices recommendations.	Sutherland