

## VII. STANDING COMMITTEES

### A. Academic and Student Affairs

#### Research, Education, and Technical Commercialization Partnership between UW/UAEU/Mubadala in Aerospace Engineering

##### INFORMATION ONLY

Dean Matt O'Donnell will present an overview of the partnership being developed between the UW College of Engineering and the United Arab Emirates University (UAEU) and the Mubadala Development Corporation (MDC).

Goals of the College of Engineering in research, education, service, and technical commercialization can be promoted by strong international partnerships. Recently, the College has focused on programs including all four components of its mission. The first large-scale partnership of this type is being developed with two institutions in the United Arab Emirates.

The College is in the final stages of negotiating a partnership between the UW, the United Arab Emirates University (UAEU) located in Al Ain, United Arab Emirates, and the Mubadala Development Corporation, (MDC), a government-owned investment company. Key players include the UW Department of Aeronautics and Astronautics (A&A), a new Department of Aerospace Engineering at the UAEU, and the Aerospace Division of MDC.

The program will have both educational and research components between the UW and the UAEU. Technologies developed through the research program will be commercialized primarily through MDC. The UW will assist in the development of a new program in aerospace engineering at the UAEU, leading to UW bachelor's degrees awarded in Al Ain. The UW will provide curriculum and program planning assistance, consulting in the development of facilities for laboratory courses, and help the UAEU in hiring new aerospace faculty. Faculty exchanges will include both visits of UAEU faculty to the UW to learn the operations of the UW Department of Aeronautics and Astronautics, and of UW faculty to the UAEU to help develop the new degree program there. These exchanges will also help form research collaborations between the UW and UAEU faculty. UW A&A will also admit a limited number of 8 qualified UAEU students per year to its undergraduate degree in Seattle. A master's degree in aerospace engineering will be offered to the UAEU via the existing UW EDGE program.

Joint research projects focused on aerospace engineering will be conducted at both the UW and UAEU. MDC will provide a pool of at least \$10M annually to support this program. It is expected that the UW will capture the majority of these funds, especially during the early years. MDC may increase the level of research funding by as much as \$5M/year for at least five years. A competitive

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proposal submission and review process will ensure a high-quality program that benefits the UW and the UAEU, and is aligned with MDC goals. MDC will also provide funding of approximately \$6M/year to the UW to cover costs associated with the new academic program at the UAEU. All educational components will be offered on a sustaining basis without the use of State of Washington funds.

The target date for formalizing the final agreement is the end of March, 2011. We hope to sign this agreement in Abu Dhabi towards the end of April, 2011, and kick off research and education activities by the fall of 2011. The UW undergraduate degree will start in Year 3 of the agreement. The program is expected to be in place for at least 10 years. The final agreement will comply with U.S. federal laws on Export/Import restrictions (ITAR), and will address any potential IP issues between MDC and the UW and UAEU.