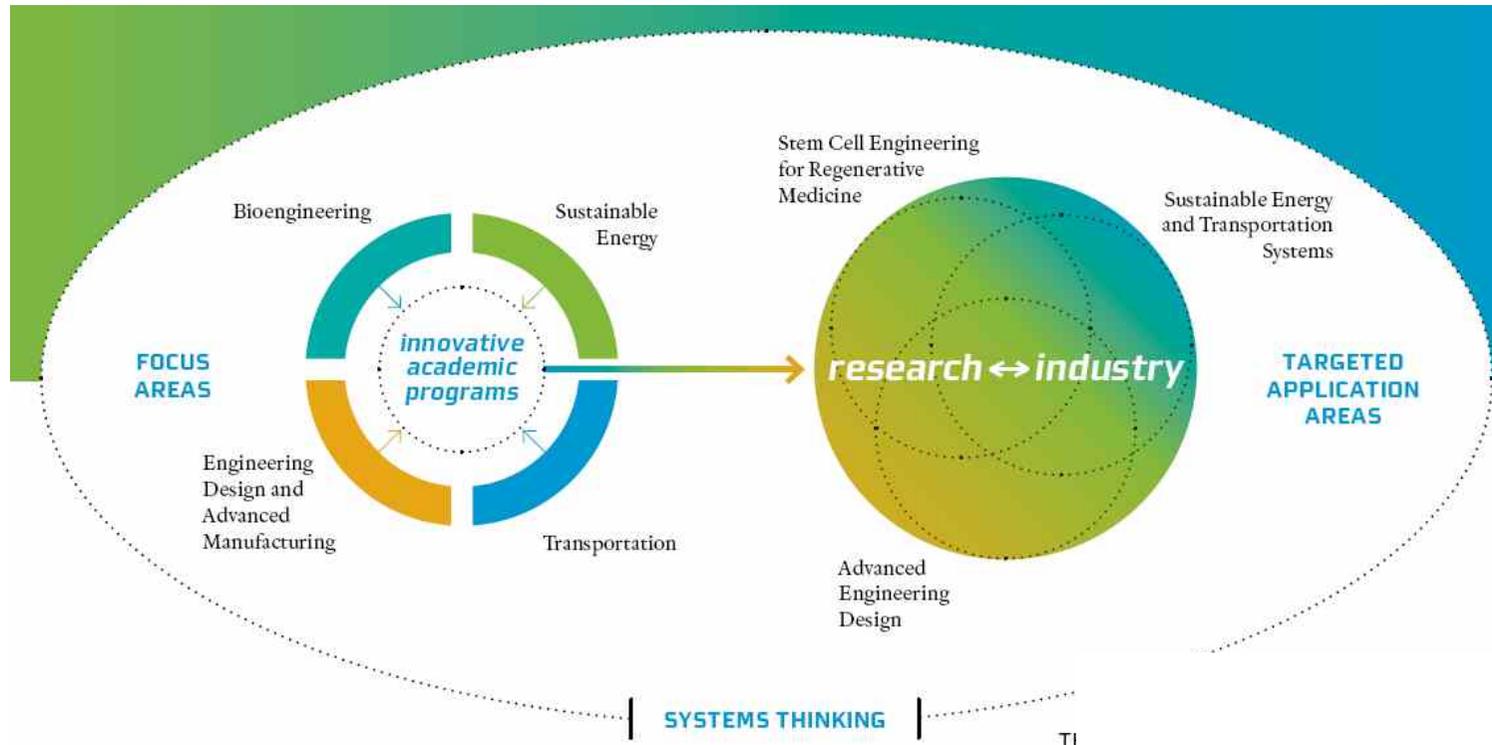


Symposium  
**„Ways of successful science,  
technology and innovation  
cooperation between Europe and the  
USA“**

23-24 April 2012, Vienna

**MIT** Portugal

*Paulo Ferrão*



- Joint PhD and Master Programs
- Annual competition for research projects (Univ. + Industries)
- Venture competition

# MIT-Portugal Program in Numbers

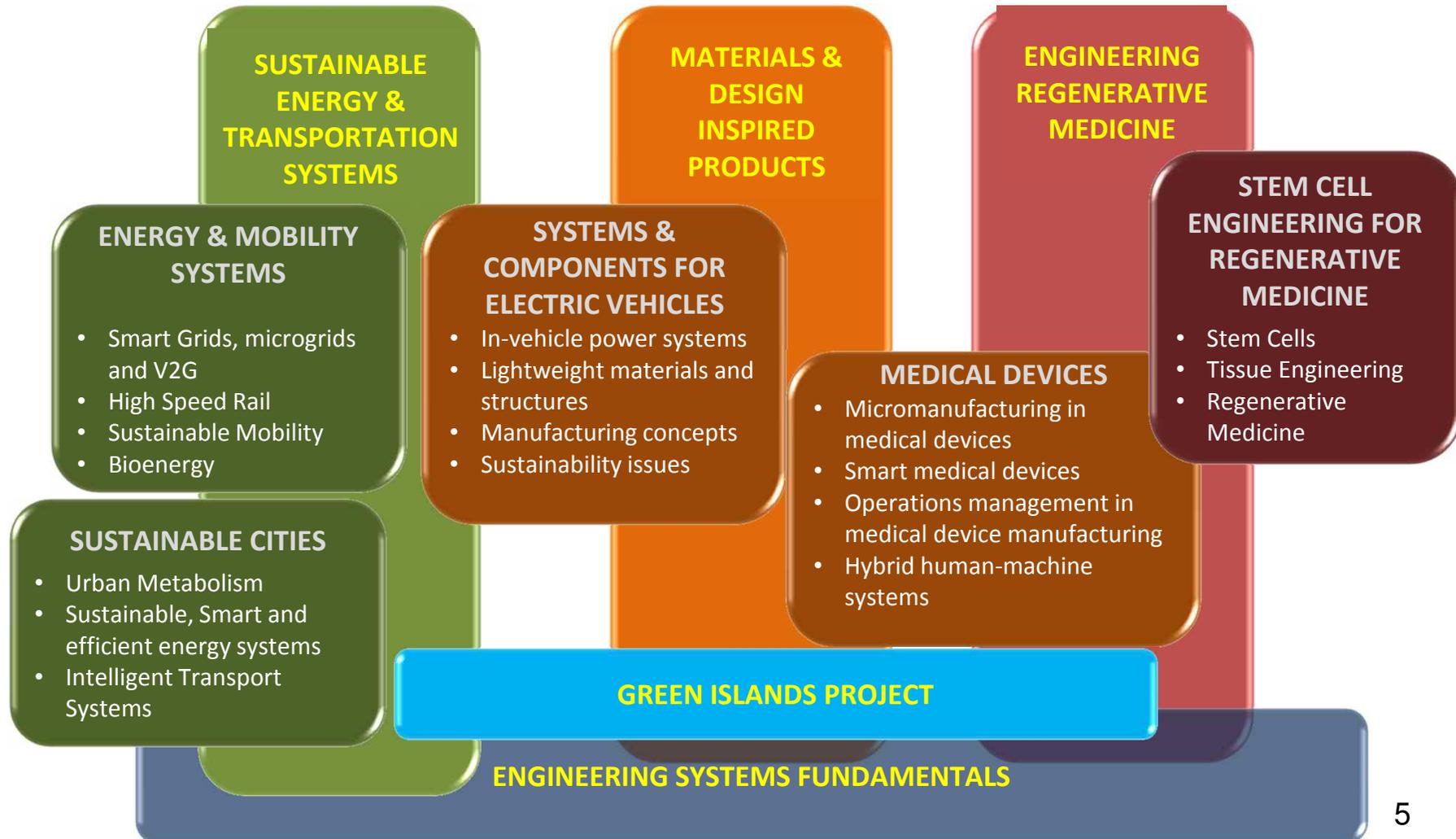
- **10** Portuguese universities, **20** research centers
- **210** Portuguese faculty, **25** MIT departments, all **5** Schools within MIT, and **70** MIT faculty members
- **4** Doctoral programs
- **1** MBA, **3** Master's of Business Engineering and Master's of Science programs. These programs currently include **314** PhD and over **50** Master's students, from 44 countries
- Over **150** Master's degree students have already been graduated. This results in over **500** students
- Altogether over **70** new courses have been developed for teaching in the various educational programs, many of which introduce curricular elements novel to Portuguese and international engineering education

# Goals and Governance

- Cooperation promoted by the Portuguese government together with MIT, in a bottom-up process, which included an assessment by MIT. Main objectives:
  - Bring the Portuguese universities together
  - Promote international attractiveness of PT higher education
  - Increment the University-Industry relationships
- The implementation during the cooperation
  - Board included MIT Chancellor, Dean of Engineering and MIT Director, President of FCT, Minister Representative and PT Director.
  - PhD students took 1 year classes jointly thought by MIT and PT faculty in Portugal, and then spent typically 1 year at MIT
  - Faculty and researchers exchange was cultivated
  - Portuguese Government through FCT and industrial affiliates (in lesser extent) financed the program
  - Constantly review by an External Review Committee
  - Competitive research calls both including both MIT, PT Universities and research labs and Industry

# Fields and opportunities

- The value of engineering systems as an emerging field



# Recommendations

- MIT develops a culture of entrepreneurship in each student, which impacts in the Industry-University interaction
  - „Soft skills“ are important, together with multidisciplinary and problem solving („industry“) oriented education – case study
- Outlook for the future:
  - We are looking forward to open the program for other EU MS, but this requires:
- Joint call mechanisms between EU and US funding institutions based on integrated funding processes