

Brainstorm Topics

- **“Onion system” for MEMS curriculum-skill set that B.S. M.S. and PhD should have**
- **Survey course**
- **Team based curriculum development**
- **How to teach fab?**
- **Should there be an undergrad. MEMS curriculum?**
- **How to handle interdisciplinary nature in curriculum?**

MEMS 101

- **Survey course for undergrads**
 - **Broad coverage to include students from all departments**
 - **1 hour lecture course, recruiting tool for MEMS**
 - **Overview of applications (where are MEMS being used)**
 - **Avoid typical lecture course result of advisors sending senior student to give boring thesis talk**
 - **Possible grad. listing with project component**

Undergrad Fab Course

- **An entire course in microfabrication is overkill at the undergrad. level**
- **Instead, include microfabrication as component in general integrated manufacturing class (fabrication, packaging, molding)**
- **Cover other materials in addition to silicon**
- **Students get a general idea of the tools available and their limitations**

General MEMS Curriculum Recommendations

- **Team based curriculum development**
 - **Assemble a team of professors, graduate students and undergraduates to assess needs for MEMS curriculum at the university level. Professors from other disciplines should be included.**
- **Curriculum should focus on development of general skills that will remain useful in a rapidly changing environment.**