

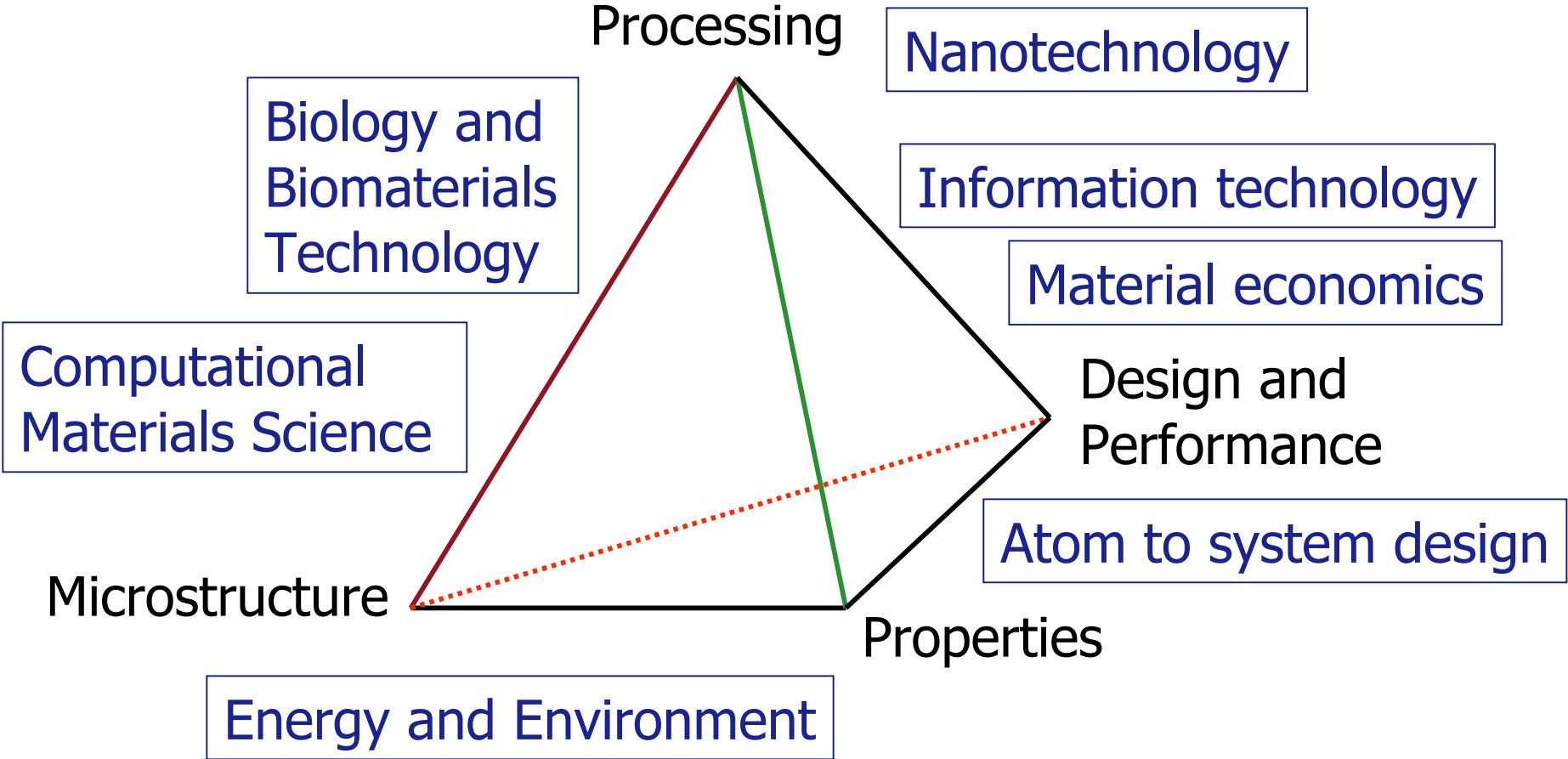
Department of
Materials Science and Engineering

Subra Suresh

Overview of the Department

- 34 faculty members
- Annual research volume of \$20-25 million in FY '05.
- Operating budget of approx. \$5 million.
- ~ 220 graduate students in Fall '05
- 20 students in MEng program in Fall '05
- Approx. 125 undergraduate students, low student to faculty ratio
- No. 1 Materials Science & Engineering Dept. in the country for both UG and Graduate Education/Research (US News & World Report, 2005)

Evolution of Materials Science and Engineering



New Undergraduate Curriculum

- New UG curriculum launched in Fall 2003 for sophomores, Fall 2004 for juniors.

Key components:

Seamless integration of lectures and labs

Newer/more modern laboratory

More rigorous math, computation

More hand-on experience, capstone project

Integration of coverage of different material classes

Use of modern technology in content and delivery

Co-teaching of lectures and labs by faculty

Full-time staff for labs

Design of new intellectual disciplines

(e.g., Chemistry of materials and biomaterials)