UMass Amherst
Department of Mechanical & Industrial
First Ever Alumni/Alumnae Event
February 28, 2004

Stephen Malkin
IMPORTANT FACTS ABOUT MIE

• Merger of ME and IE in 1995
• Faculty: 10 Profs. (5 Fellows), 6 Assoc. Profs., 8 Assistant Profs.
• Students (approx.): 200 undergraduate majors, 60 MS, 50 PhD
• Degrees/Year (approx.): 60 BS, 35 MS, 7 PhD
• Major Research Areas:
  – Wind Power, Renewable Energy, & Energy Efficiency
  – Human Factors & Assistive Technology Distributed Decision Making & Supply Chains
  – Computational Fluid Mechanics
• Research Expenditures: $3.4M/year and growing
SOME POINTS OF PRIDE

• Junior Faculty
  – 2 NSF and 1 ONR CAREER Award
  – 2 Lilly Fellowships,
  – NSF Industry/Univ. Cooperative Research Center

• Center for Energy Efficiency & Renewable Energy
  – Leader in Wind Energy
  – Energy Efficiency Outreach

• Human Factors Laboratory
  – Most Advanced Driving Simulator (Road Safety and Signage)

• Computational Fluid Dynamics Group
  – One of Largest Supercomputers in New England

• Center for Distributed Decision Making
  – Leader in Field
  – Homeland Security Initiative

• Successful Alumni
  – CEOs, VPs
Looking Forward

• **Increase Diversity of Faculty, Students and Staff**
  – 3 women faculty to help attract female undergrads

• **Develop Alumni Relationship and Support**
  – targeted meetings with alumni in Boston area

• **Investment in Research Areas**
  – Bioengineering, Energy Systems, Homeland Security

• **Young Faculty Development and Investment**
  – 7 Assistant Professors

• **Recruit New Faculty**
  – 5 retirements expected within next 3 years