Academic Preparation that Science & Technology Industries Seek for a Productive Workforce
Qualcomm & New Grads

• Who we Hire
  – Computer Science, Electrical Engineering, Math

• What’s Missing in their Formal Education
  – Process and ProcessTools
    • Configuration Management
    • Test and Quality Assurance
    • Software Development Life Cycle
    • TQM, Six Sigma, Continuous Process Improvement
  – Writing Skills
  – Stuff You Don’t Learn in Engineering School
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• Book by Carl Selinger
• Related articles and training materials at IEEE
  – Search on “Selinger”
What is this Stuff

• Communication
  – What to say, how to say it, to whom and when
  – Listening

• Setting Priorities

• Making Decisions

• Conducting a Meeting

• Understanding that You’re Part of a TEAM!
  – It’s not your project and your grade any more
  – It’s business objectives and a lot of MONEY
  – “Good enough” and on time trumps tardy perfection
Why this Stuff is Important

• It won’t keep you from getting a job, promotion or raise
• It will help you rise through the ranks more quickly
• It will help you rise higher in your organization
• It will save you time and make your life easier

• *Companies spend a lot of money on courses and coaching in this Stuff!*
Where do You Learn this Stuff

- Internships
- Mentors
- Professional Associations like IEEE and ACM
- Books
- Classes and Coaching
Professional Development

• Take charge of your career – or someone else will
• The ”soft” workplace skills are important
  But…
• Your technical and scientific background is your paycheck
• Technology will change hugely during your lifetime

Enjoy Your Ride!