TUTORIALS LIST

COMMUNICATION:
[1]   Scientific Writing workshop: (Weeks and Swinney)
[2]   *Scientific Oral Presentation workshop:* (Swinney, Weeks)
[3]   *How to make a good scientific poster: (Schoetz)*
[4]   *Introduction to LaTeX:* (Rodenborn).
[5]   *Talking Science with Nonscientists*: (Showalter)

Grants:
[6]   The research proposal and other techniques for raising funds (Niemela)

General Topics:
[7]   Current events in Science: (Showalter)
[8]   Scientific Ethics: Case Studies and Conundrums: (Roy, Schowalter)
[9]   Balancing Work and Personal Life: (Rericha, Schoetz, Weeks, Shattuck)
[10]   Research Project Design: (Schoetz, Xu)
[11]   Experimental Design Discussion: (Shattuck)
[12]   Modeling Desgn Discussion: (Shattuck)

Image Analysis:
[13]   *Image Analysis and Object Recognition in MATLAB:* (Schoetz)
[15]   *More with shapes:* (Rericha)
[16]   Solving Simple PDEs: (TBA)
[17]   Numerical simulations of nonlinear systems using xppaut: (Sethia)
[18]   Modeling Biological Networks: (Rericha)

Experimental Techniques:
[19]   *Electronic Digital Design for $99:* (Shattuck)
[20]   *Dynamic measurements with strain gages and accelerometers:* (Goldman)
[21]   *Muscle activation during human locomotion:* (Goldman)
[22]   *Basics of Microscopy:* (Rericha).
[23]   *Introduction to circuits and data acquisition:* (Storey)

Teaching
[24]   Practical Approaches for Overcoming Obstacles to Science Teaching and
        Research in the Developing World: (Nkomo)
[25]   Teaching Freshmen to Solve Science Problems Using a Computer:
        (Schatz,Suri,Tithof)
[26]   Hands-On tutorials on lecture demonstration: (Schatz,Suri,Tithof)
[27]   Peer Instruction: Interactive Engagement in the Classroom: (Schatz)

Extensions To Hands-On Sessions:
[28]   Coupled Oscillators: (Gautam, Sethia)
[29]   Time series analysis of worm locomotion data: (Schoetz)
[30]   Time Delayed Electro-Optic Feedback System: (Roy)
[31]   Chemical Patterns: (Tinsley)
[32]   Extended session on Turbulence: (Schatz)
[33]   Extended introduction to Matlab: (Hunt, Storey)
[34]   Extended Molecular Dynamics Simulation: (Shattuck)
[35]   Extended mathematical Modeling of Biological System: (Ouyang)