

**CBE 459 Design Projects  
Spring 2009  
Chemical Engineering Laboratory, Rm 116**

	I	II	III
<b>1:00 - 2:00 p.m.</b>	<b>2. Alaskan Natural Gas to Liquid using Microchannel Reactors</b> (J. Wismer) S. W. Churchill  Jeff Hammond Jared Lee Mohd Shayaan Nadeem Sophie Weiss	<b>4. Butanol by 2-Stage Ferment.</b> (B. Vrana) S. Holleran  Christina Chen Amira Fawcett Amy Posner Tal Raviv	<b>5. Glycerol to Ethanol</b> (B. Vrana) W. D. Seider  Chloe LeGendre Eric Logan Jordan Mendel Tamara Seedial
<b>2:00 - 3:00 p.m.</b>	<b>1. Maleic Acid Hydrogenation to Tetrahydrofuran</b> (W. Robbins) W. D. Seider  Michael Abuschinow Daniyal Hussain Kathlene Wu	<b>7. Toluene Methyl. to Paraxylene</b> (B. Vrana) S. Holleran  Thomas Dursch Ma Mee Mee Khine Ramy Khalil Francisca Mutahi	<b>6. Phosgene-free Route to Polycarbonate:</b> (B. Vrana) W. Shieh  Alex Fick Dong Lin Robert Vavre
<b>3:00 - 4:00 p.m.</b>	<b>3. Flexible Manufacturing Facility for Biopharmaceuticals</b> (T. Rau) M. Lazarra  Ryan Dunn Kevin Hsu Melanie Hullings Maria Lobikin	<b>10. Plavix Resistance Point-of-Care Diagnostic Device</b> (S. L. Diamond) S. L. Diamond  Amanda Abbott Elizabeth Kohli Zhenteng Li Paul O'Brien	<b>9. \$1,000 Genome Challenge for the Archon X Prize</b> (J. C. Crocker) J. C. Crocker  Gregory Bittle Boris Petkov Evan Rhee Elliot Woods
<b>4:00 - 5:00 p.m.</b>	<b>12. Natural Gas Liquifaction using Reverse Brayton Cycle</b> (A. Brostow) R. J. Gorte  Salma Al-Aidaros Nicholas Bass Brian Downey Jonathan Ziegler	<b>8. Design and Control using Stoc, Models of Depos. Reac.</b> (T. Sinno) T. Sinno`  Peter Beltramo Christina Bodarky Helen Kyd Reum Scott	