

Listing of Papers to be presented by UTC Faculty and Students at the 229th National ACS Meeting in San Diego, CA
March 13-17, 2005

Author is underlined

Division of Chemical Education, Undergraduate Research Poster Session: Organic Chemistry
• **Monday Morning, San Diego Convention Center Hall D, 11:15 AM – 1:15 PM**

1. Paper CHED 390. Catalytic transfer deuteration using 10% Pd/C and 2-proopropanol-d8 as the deuterium source. Nathanael K. Kokes, Mary K. Teague, Robert C. Mebane.
2. Paper CHED 484. Reduction of aldehydes and reductive ring opening of epoxides by catalytic transfer hydrogenation using Raney nickel and 2-proopropanol. Amanda Mansfield, Phillip S. Gass, Robert C. Mebane.
3. Paper CHED 545. Synthesis of the mixed donor macrocycle 9S2N, 7-aza-1, 4-dithiacyclononane. Maikel E. Botros, Gregory J. Grant.

Division of Chemical Education, Undergraduate Research Poster Session: Biological Chemistry
• **Monday Afternoon, San Diego Convention Center Hall D, 2:00 – 4:00 PM**

4. Paper CHED 862. Reductive pathway of penicillin-resistant Pseudomonas syringae. Randi L. Gant, Manuel F. Santiago, Gail M. Meyer.

Division of Chemical Education, Undergraduate Research Poster Session: Inorganic Chemistry
• **Monday Afternoon, San Diego Convention Center Hall D, 2:00 – 4:00 PM**

5. Paper CHED 1068. Preparation of corners of a self-assembled molecular cube using trivalent Group 9 metal complexes. Weinan Chen, Gregory J. Grant.
6. Paper CHED 1067. Platinum(II) Complexes of crown thioethers with chiral diphosphine and diamine ligands. Emily R. Hinson, Gregory J. Grant.
7. Paper CHED 1088. Synthesis and characterization of a self-Assembled molecular square. Ketankumar N. Patel, Gregory J. Grant.

Division of Inorganic Chemistry, Coordination Chemistry: Characterization and Applications
• **Tuesday Night Convention Center, Sails Pavilion, 1, 7:00 – 9:00**

8. Paper INOR 705. 199-Hg and 113-Cd NMR Analysis of thiacycrown complexes. Gregory J. Grant, Monte L. Helm, Gregory P. Helton, Lensey L. Hill.