**2003 Spring Science Symposium Schedule**  
**Geology and Environmental Science**  
**College of Science and Mathematics**  
**James Madison University**  

Friday May 2, 2003, Miller Hall Room 232

9:00  **Stephanie Weaver** and R. V. Amenta - COMPUTER MODELING OF CRYSTALLIZATION KINETICS: FORWARD AND INVERSE METHODS EMPLOYING CRYSTAL SHAPES OF 1:5:5

9:20  **Crystal Cammarano** and R. V. Amenta - COMPUTER MODELING OF CRYSTALLIZATION KINETICS: FORWARD AND INVERSE METHODS EMPLOYING CRYSTAL SHAPES OF 1:3:5


10:00  **Timothy J. Clinton** and William Frangos - SHALLOW DEPTH ELECTRICAL RESISTIVITY SURVEYS CONDUCTED IN THE KARST TERRAIN NEAR MT. SOLON, VIRGINIA

10:20  **Jonathan LaRiviere** and Lynn S. Fichter - UPPER PLIOCENE SEA SURFACE TEMPERATURES FROM ODP SITE 1012

10:40  **Michael S. Field** and W. C. Sherwood - PREPARING THE JMU SOILS LAB TO PERFORM THE CALIFORNIA BEARING RATIO (CBR) TEST

11:00  **Mary Sutherland** and S. J. Baedke - THREE DIMENSIONAL GROUNDWATER FLOW MODEL OF THE THOMPSON EMBAYMENT, MICHIGAN

11:20  **Joshua R. Burton**, and Stanley Ulanski - THE FUTURE OF GAS HYDRATES

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1:00  **Julia Reis**, R. V. Amenta and  John Croddack - DETERMINING PALEOSTRESSES FROM CALCITE DEFORMATION TWINS IN THE TRIPOLITZA LIMESTONE FROM EASTERN CRETE

1:20  **Megan Cahill, Colin Loic Deschamps**, and S. J. Baedke - GEOCHEMICAL SURVEY OF VALLEY SPRINGS WITH AN EMPHASIS ON IDENTIFYING REGULATORY REFERENCE SITES FOR IMPAIRED TROUT FARMS

1:40  **Cheryl Pruiett** and W. C. Sherwood - EXPERIENCES OF A FIELD TECHNICIAN AT AN ENGINEERING CONSULTING COMPANY

2:00  **Lawrence J. Anastasia** and Stanley Ulanski - THE LIFE OF A BEACH

2:20  **John C. Lacombe** and L. Scott Eaton - AN INVESTIGATION INTO THE ROSGEN METHOD OF STREAM CLASSIFICATION AND RESTORATION

2:40  **Matthew Stump** and William Frangos - CONSTRUCTING A DIGITAL INTERFACE USING A LEHMAN SEISMOMETER

3:15  **Frank Hissong** (United States Bureau of Land Management - 1/8 OF THE US: CAREERS IN GEOLOGY WITH THE BUREAU OF LAND MANAGEMENT