GEOLOGICAL SCIENCES 2021 ALUMNI SYMPOSIUM

Geosciences: Providing Opportunities During Changing Times

AGENDA

16 April 2021 (Friday): Zoom Conference. Eastern Time Zone.

2:00 pm - 2:10 pm  Opening and Introduction
Mr. Patrick Jackson, Chair OU Alumni Board

2:15 pm - 2:35 pm  State of the Department
Dr. Alycia Stigall, Geological Sciences Professor and Chair

2:35 pm - 2:45 pm  Q&A for Dr. Stigall

2:50 pm - 3:35 pm  Keynote Address - The Emerging Field of Conservation Paleobiology and Its Role in Restoration of the Greater Everglades Ecosystems
Dr. Lynn Wingard, U.S. Geological Survey Research Geologist

3:35 pm - 3:45 pm  Q&A for Dr. Wingard

3:45pm - 3:55 pm  Break

3:55 pm - 3:25 pm  Lawsonite Eclogites: A Cool Take on Subduction Zone Processes
Dr. Katherine Fornash, Geological Sciences Assistant Professor

4:30 pm - 4:55 pm  The Future of Carbon Capture Utilization, and Storage (CCUS): Insights and Opportunities for Geoscientists
Mr. Tom Tomastik, Chief Geologist, ALL Consulting, LLC

5:00 pm - 5:10 pm  Donations and Endowments
Mr. David Johnson, Director of Development for Major Giving at OU
5:15 pm - 6:15 pm  **Open Forum and Panel Discussion with Alumni on Employment Opportunities and Career Development**  
*Dr. Michael Young, University of Texas; Casey O’Brien, Shell; Tom Antonacci, Civil & Environmental Consultants, Inc.; Sierra Isard, North Carolina Geological Survey; and Liz Lantzsch, RHI Magnesita*

17 April 2021 (Saturday): Zoom Conference. Eastern Time Zone.

9:15 am - 9:50 am  **Poster Presentations by Students**  
Poster Breakout Rooms (Attendees can move into small virtual groups for poster Q&A with student presenters as hosts)

10:00 am - 10:15 am  **How do Ecological Niches Evolve during Late Ordovician Environmental Change? A Test using Laurentian Brachiopods**  
*Ms. Ceara Purcell, 2nd Year Graduate Program*

10:20 am - 10:35 am  **Scallops Through Space and Time: A Study of Scallop Patterns and Consistency**  
*Ms. Hannah Bortel, 2nd Year Graduate Program*

10:40 am - 11:00 am  **Today’s Employment Opportunities in the Environmental Sector**  
*Mr. Mitchell Brourman, Executive Principal, Field Environmental Instruments*

11:05 am - 11:30 am  **Using Artificial Neural Networks to Model Complex Problems in Geoscience**  
*Dr. Lopez, Professor Emerita of Geological Sciences*

11:30 am - 11:40 am  **Break**

11:40 am - 12:00 am  **Largest U.S. Dam Removal and the Science Community’s Integral Part**  
*Ms. Lisa DeRose, Project Scientist III, Camas, LLC*

12:05 pm - 12:30 pm  **Recent Advances in Interpreting Deep-Marine Deposits**  
*Dr. Ganapathy Shanmugam (M.S. 1972), University of Texas at Arlington*

12:30 pm - 12:35 pm  **Q&A for Dr. Shanmugam**

12:35 pm - 12:50 pm  **Alumni Scholarship Announcement**
12:50 pm - 1:05 pm  **Closing Remarks**  
*Mr. Patrick Jackson, Chair OU Alumni Board*

1:10 pm - 2:10 pm  **Alumni Breakout Groups**: (Students can jump into small virtual groups with alumni for general Q&A. Groups will be hosted by alumni board members)