



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



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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 Brouman, 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 Shanmugan (M.S. 1972), University of Texas at Arlington

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

12:35 pm - 12:50 pm **Alumni Scholarship Announcement**



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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)