



Virtual ECH Awards Banquet

Save the Date May 26th!

You are cordially invited as a guest of honor to join the Engineering, Science, & Technology Council of Houston for the 2021 Virtual Awards Celebration

Location: Comfort of your home

Date: Wednesday May 26, 2021

Platform: [Zoom Link](#)

Meeting ID: 931 0503 5917

Passcode: 281525

One tap mobile

+13462487799,,93105035917# US
(Houston)

Time: 5:30 p.m.

Keynote Speaker



Dr. Ali Tura

“Climate change, the energy industry, and the role of Carbon Capture Utilization & Storage”

Bio:

Ali Tura is Professor of Geophysics and Co-director of Reservoir Characterization Project at Colorado School of Mines. His expertise is in the areas of petroleum systems, reservoir characterization and monitoring, seismic methods, CO₂ and sequestration, fiber optics technology and data analytics. He is also chief scientist at Tulip Geosciences, a geosciences consulting and training company. Prior to this, he was geophysical senior fellow at ConocoPhillips, geophysical advisor at Chevron and 4D subject matter expert at Shell. He has been active in the energy industry for over 37 years and served as SEG vice-president, board of directors of SEG-SEAM Inc., chairman of the SEG Research Committee, and chairman of the editorial board of The Leading Edge. Ali will also be the SEG Distinguished Lecturer for 2021.

Abstract:

For this presentation, I will start with going over the forces requiring global carbon reduction. CO₂ molecules have been released into the atmosphere during most of the industrial revolution and earlier. So why is there such an urgency at this time? I discuss two key reasons: Public opinion and Technological changes. I will then discuss the energy transition and the key role of carbon sequestration. Next, I will discuss the economics of different carbon capture and sequestration options and show why enhanced oil recovery related sequestration can be an optimal solution. This can potentially form the best path for the energy industry and a reasonably well posed problem for geological and geophysical long-term storage and monitoring



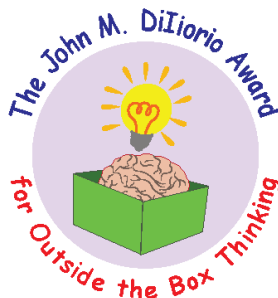
Virtual Award Banquet Program

Reception	Student Projects	5:30 PM
Welcome	ECH Representative	6:30 PM
Science Fair Winners	Dr. Heather Domjan	6:35 PM
HMNS Summer Interns	Dr. Carolyn Summers	
Special Awards	Sue Pritchett	
Keynote Speaker	Dr. Ali Tura	7:00 PM
	Professor of Geophysics and Co-Director of Reservoir Characterization Project Colorado School of Mines Golden, Colorado	

This year's Engineering, Science, & Technology Council of Houston Reception will provide a time to celebrate each student success with a video presentation of students' STEM research. The Science and Engineering Fair of Houston (SEFH) grand award winners who earned the opportunity to attend the Regeneron International Science and Engineering Fair and the Houston Museum of Natural Science Interns will showcase their exceptional science and engineering projects.

Dr. Heather Domjan will honor the science fair award winners and the SEFH Teachers of the Year as they provide highlights of inspiration regarding their journey in mentoring students in STEM research. Dr. Carolyn Summers will present the HMNS Interns for this summer and briefly discuss the annual intern program. HMNS appreciates the local science and engineering organizations, such as ECH, that support this program, and welcomes other societies to actively participate as well. There are always opportunities for more summer internships. The interns research, build, and automate some of the permanent exhibits of the museum and planetarium. For example, they developed expedition center presentations, planned a new planetarium show, and conducted museum tours for students.

Special Awarding Agency Recognition



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