

RICHARD SCHULTZ

4350 Tamarack Drive, Grand Forks, ND 58201 USA • +1.281.415.3875 • oriongeo@protonmail.com •
<http://www.raschultzunr.com/> • <https://www.linkedin.com/in/dr-richard-a-schultz>

- Underground Energy Storage • Collaboration across Silos and Disciplines
- Effective in Academic, Industrial, Governmental, and Consulting Organizations

SUMMARY

Sustained leadership in creating and managing complex teams that span disciplines, industries, and countries. Collaborative and engaging leadership style. Successful management of projects and human capital to achieve strategic and tactical goals. Excellent writing, presentation, and client relations skills honed to serve diverse technical and non-technical stakeholders including international clients. Current focus on sustainable hydrogen storage worldwide.

TESTIMONIAL

"I had the pleasure of having Dr. Schultz as a speaker on our 15th Annual Gas Storage Outlook Conference. His session titled Capturing Risk and Integrating Workflows in the Post-Aliso Canyon Era was very well received by the audience and I found him to be engaging and quite knowledgeable on regulatory matters impacting the natural gas storage market. I appreciate the opportunity to invite him to future conferences so that he may share his expertise."

Nate Connors, Conference Manager, S&P Global Platts

EXPERIENCE

University of North Dakota

Continental Resources Distinguished Professor and Chair • Grand Forks, ND 2024 – Present

- Re-envisioned and reinvigorated Department
- Expanded and deepened its reach in the energy security and global energy transition domains

Underground Hydrogen and Natural Gas Storage

Subsurface Storage Expert • Houston, TX 2022 – Present

- International Energy Agency (IEA), Hydrogen Technology Collaboration Programme (Hydrogen TCP), [Task 42](#): Underground Hydrogen Storage Workplan
- [SHASTA](#) (Subsurface Hydrogen Assessment, Storage, and Technology Acceleration) funded by US DOE
- International Gas Union (IGU), Committee on Underground Gas Storage (including CO₂, hydrogen)

American Rock Mechanics Association (ARMA)

Board of Directors • Houston, TX 2021 – Present

- Apply background in geomechanics to lead ARMA's efforts in the global energy transition.
- Member, Bylaws, Finance, and Membership Committees; leader of several successful global initiatives.
- Founding Chair, Technical Committee on Underground Storage and Utilization

Orion Geomechanics LLC – www.oriongeomechanics.com

Consultant/Owner • Houston, TX 1990 – Present

Personal consulting business in underground natural gas storage, petroleum geomechanics, structural geology, and rock mechanics providing expertise to various companies and industries.

The University of Texas at Austin

Senior Research Scientist • Austin, TX 2015 – 2017

Engaged in collaborative research and graduate education in petroleum-system geomechanics.

ConocoPhillips Company

Principal Geomechanicist • Houston, TX

2011 – 2015

Responsible for overburden dynamics, fault stability, and Subsurface Containment Assurance across the company's exploration and production activities in onshore and offshore assets.

University of Nevada

Foundation Professor of Geological Engineering and Geomechanics • Reno, NV

1990 – 2011

Led research and training in geological engineering and planetary geomechanics; recognized as accomplished researcher and educator.

EDUCATION

Purdue University - West Lafayette, IN

Ph.D. in Geomechanics and Structural Geology

Arizona State University - Tempe, AZ

Master of Science in Structural Geology

Rutgers University - New Brunswick, NJ

Bachelor of Arts in Geology

CERTIFICATIONS

- State of Texas: Licensed and registered as Professional Geologist (P.G.) #11755
- The University of Texas at Austin: Certificate in "Human Dimensions of Organizations—with concentration in Organizational Improvement"
- Rice University: Certificate in "Strategic Project Management"
- University of California Berkeley School of Law Executive Education: Certificate in "ESG: Navigating the Board's Role"

SKILLS

- Recognized as Subject Matter Expert (SME) in underground hydrogen and natural gas storage geomechanics, reservoir/overburden geomechanics, knowledge sharing and expertise capture, and subsurface containment assurance
- Can engage, communicate, motivate, evaluate, mentor, and lead or co-lead multi-disciplinary teams including scientists and engineers, senior management and external stakeholders

SIGNIFICANT AWARDS AND HONORS

- Presidential Citation for dedicated service in managing the technical program for the 52nd US Rock Mechanics/Geomechanics Symposium
- Fellow, Geological Society of America (GSA)
- SPIRIT Award for Innovation, Indonesia Water Management Team, ConocoPhillips
- National Academy of Sciences/National Research Council postdoctoral fellow, NASA Goddard Space Flight Center

MEMBERSHIPS

- Member, US Interstate Oil and Gas Compact Commission (IOGCC)
- National Association of Corporate Directors (NACD)
- BoardSource (non-profits)
- American Geophysical Union
- Society of Petroleum Geologists