Subbarao Yelisetti
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Graduate Coordinator for Petrophysics
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Education

2009-2014 Ph.D. in **Geophysics**, University of Victoria, Canada
2006-2009 M.Tech. in **Mineral Exploration**, University of Hyderabad, India
2004-2006 M.Sc. in **Physics**, University of Hyderabad, India
2001-2004 B.Sc. in **Mathematics, Physics, Chemistry**, Acharya Nagarjuna University, India

Employment/Positions

2025-pres. **Professor of Geophysics**, Texas A&M University-Kingsville, USA
2021-2025 **Associate Professor** of Geophysics, Texas A&M University-Kingsville, USA
2024 Jul-Aug Acting Chair, Department of Physics and Geosciences, TAMUK
2024 Spring **Visiting Scientist (sabbatical), Indian Institute of Technology**, Kanpur, **India**
2023 Jul-Aug Acting Chair, Department of Physics and Geosciences, TAMUK
2021 Apr-Jul Acting Chair, Department of Physics and Geosciences, TAMUK
2018 Aug Acting Chair, Department of Physics and Geosciences, TAMUK
2017 Winter Acting Chair, Department of Physics and Geosciences, TAMUK
2017 May Acting Chair, Department of Physics and Geosciences, TAMUK
2017 Summer Visiting Scientist, Indian Institute of Technology, Kanpur, **India**
2016 Aug Visiting Scientist, Indian Institute of Technology, Kanpur, India
2016 Summer Visiting Scientist, GEOMAR-Helmholtz Center for Ocean Research, **Germany**
2015 Winter Visiting Scientist, University of Victoria, **Canada**
2015-2021 **Assistant Professor** of Geophysics, TAMUK, USA
2014-2015 **Postdoctoral Fellow**, Pacific Geoscience Center, **Canada**
2009-2014 Graduate Research Assistant, University of Victoria, Canada
2009-2012 Graduate Teaching Assistant, University of Victoria, Canada
2007-2008 Research Assistant, National Geophysical Research Institute, India
2005 Summer Summer Research Fellow, Indian Institute of Astrophysics, India

Summary of Leadership Experience

Interdisciplinary & Global Leadership

- Bring a multidisciplinary perspective grounded in physics, chemistry, mathematics, and geosciences, enabling integrative approaches to research, education, and program development.
- Bring extensive international experience, having worked in Canada, India, the United States, and Germany, and collaborated with a diverse network of scientists across North America, Europe, and Asia.

Curriculum & Academic Program Leadership

- Delivered over **100** courses and labs, including the development of **30** unique undergraduate and graduate offerings from the ground up, across physics, geology, geophysics, and petrophysics disciplines.
- Led development of a BS in Geophysics and an interdisciplinary MS in Petrophysics, along with multiple minors, certificates, and new courses; recently proposed a graduate certificate in Mineral Exploration. Established geophysics and petrophysics labs from the ground up and secured and managed **$67M+** in annual software and computing resources to support hands-on, experiential learning.

Enrollment Growth & Program Development Leadership

- As founding **Graduate Coordinator** for Petrophysics (8+ years), established and grew the program through strategic recruitment, admissions collaboration, and student success initiatives, including advising, thesis supervision, and career placement, while shaping policies in graduate education and student affairs.
- **Led significant enrollment growth (~80% average increase, including 125% in the past year) during a period of substantial declines across other disciplines, demonstrating strategic program development and targeted recruitment effectiveness.**

Research & Funding Leadership

- Sustained high-impact, student-centered research despite a heavy teaching load, producing 15 journal articles, 8 expanded abstracts, and 51 conference presentations, along with numerous national and international invited talks—many led by graduate and undergraduate students. Secured ~**$5.**1M (TAMUK portion: $587,276; an additional $897,253 pending) in funding as PI/Co-PI across 27 proposals and mentored students across all levels, including 12 high school participants through summer research programs.

Global Research Leadership

- Competitively selected for three multimillion-dollar Pacific Ocean research cruises, engaging in international, multidisciplinary collaboration, and conducting field data acquisition in the Himalayas.

Student Success & Mentorship Leadership

- Supervised 13 master's theses, with graduates advancing to Tier-1 PhD programs or securing positions in the oil and gas and mining industries. Demonstrated sustained commitment to student success through advising, career placement support, and mentoring across undergraduate, graduate, and pre-college levels.

Service & Institutional Leadership

- Demonstrated extensive institutional leadership through service on **30+ university committees**, including **Faculty Senate** (6 years), **tenure and promotion committees** (4 years), and the A&S **Graduate Council** (8+ years).
- Served on the **Undergraduate Program Review Committee** for six years, including one year as chair, leading and collaborating with faculty, program coordinators, department chairs, deans, and the Provost's Office on campus-wide academic program reviews.
- Led faculty searches (chairing one), served as **Acting Department Chair**, and provided long-term leadership of scholarship committees.
- Co-organized departmental monthly research seminars and annual research symposia, fostering a vibrant and collaborative research culture.
- Demonstrated exceptional commitment to institutional priorities by voluntarily teaching courses equivalent to more than three years of standard teaching load in support of students, departmental needs, and college priorities.

Professional & External Engagement Leadership

- Provided national and international leadership as **President of the Coastal Bend Geophysical Society** (7+ years) and Council member of the Society of Exploration Geophysicists (8+ years). Contributed through editorial leadership, peer review for journals and funding agencies (NASA and NSF), conference service, and external evaluation of tenure and promotion cases. Secured a **$10,000** scholarship endowment and established three annual student scholarships.

Awards & Recognition for Leadership and Excellence

- Sustained excellence across teaching, research, service, and professional development, earning consistent top-tier annual evaluations (at or near 7/7) and achieving early promotion by one year.
- Recipient of multiple honors, including the **Olan Kruse Science Faculty Award** (2019) and the **Dean's Award for Outstanding Scholarly and Creative Production** (2023),

along with several travel grants and multiple best presentation awards (2013–2025), including awards with students.

Faculty Development & Mentorship Leadership

- Mentored and supported new faculty through sharing course materials, instructional strategies, and best practices, contributing to teaching effectiveness and program continuity.

Leadership Development

- Selected for the **President's Aspiring Leaders Program**, TAMUK (Sep 2025–June 2026), a competitive institutional leadership initiative.

Research and Scholarly Activities

Funded Grants (Total ~ $5.1M, TAMUK portion: $587,276)

2025 Subbarao Yelisetti (PI), Seismic Tomography of the Northern Cascadia Margin using 2D Seismic Data, Spring 2025 College Award for supporting graduate student thesis research, TAMUK, $2,090.

2024 Veronica Sanchez (PI), Subbarao Yelisetti (CO-PI), Jong-Won Choi (CO-PI), Regional Initiative for Technical Assistance Partnerships (RITAP) Gulf of Mexico Basin Opportunities (GuMBO), DOE, **$5M grant**, UT lead, subaward to TAMUK, **$529,190**, 2025-2028 (Yelisetti share ~$254,189).

2020 Reza Nekovei (PI), Amit Verma (CO-PI), Subbarao Yelisetti (CO-PI), David Citrin (CO-PI), Mohammad Ashtijou (CO-PI), Avdesh Mishra (CO-PI), Raghu Raj (CO-PI), Nader Yassin (CO-PI), Planning for an Advanced Extra-Planetary Remote Sensing Center, NASA, $39,996.

2019 Subbarao Yelisetti (PI), GeoHost support to attend 36th International Geological Congress, New Delhi, India, 16-21 August 2021, Government of India, ~$4,000.

2018 Subbarao Yelisetti (PI), Seismic structure of the Cascadia margin, Spring Research Development Proposal, Texas A&M University-Kingsville, $4,000.

2017 Subbarao Yelisetti (PI), Seismic Studies on Cascadia Margin using Full Waveform Inversion, Summer Research Development Proposal, Texas A&M University-Kingsville, $3,000.

2015-2016 Subbarao Yelisetti (PI), "Seismic studies in the Arctic Beaufort Sea", South Texas Expansion Program for Hispanic Graduate Students Faculty Research Award, $5,000.

Grants pending decision (Total ~ $897,253)

2026 Ingo Pecher (PI), Subbarao Yelisetti (CO-PI), George Moridis (CO-PI), Delayed Response of Methane Gas Hydrate Systems to Ocean Change: Development of a Team of Petroleum Engineers and Geoscientists to Study Gas Hydrates, TAMUS

Research Excellence Fund, $250,000, June 1, 2026-May 31, 2027, shortlisted*.
*The proposal has been selected as one of the top three submissions from TAMU-CC and has advanced to the Texas A&M System level for final consideration.

2026 Subbarao Yelisetti (PI), Mark Everett (CO-PI), Walter Den (CO-PI), Francisco Aguiniga (CO-PI), Mohammed Faruqi (CO-PI), Christine Reiser Robbins (CO-PI), Saoli Chanda (CO-PI), Sanku Dattamudi (CO-PI), Tushar Sinha (CO-PI), Jianhong Ren (CO-PI), Weimin Xi (CO-PI), Osama Al-Hamdan (CO-PI), Amir Hessami (CO-PI), Fouzieh Rouzmehr (CO-PI), Todd Lucas (CO-PI), James Glusing (CO-PI), Acquisition of Electrical Resistivity Imaging System to Advance Research and Training at Texas A&M Universities, TAMUS Research Excellence Fund, $95,754, June 1, 2026-May 31, 2027, shortlisted*.
*The proposal has been selected as one of the top five submissions from TAMUK and has advanced to the Texas A&M System level for final consideration.

2026 Subbarao Yelisetti (PI), Francisco Aguiniga (CO-PI), Christine Reiser Robbins (CO-PI), Mohammed Faruqi (CO-PI), Jianhong Ren (CO-PI), Weimin Xi (CO-PI), Tushar Sinha (CO-PI), Osama Al-Hamdan (CO-PI), Amir Hessami (CO-PI), Saoli Chanda (CO-PI), Sanku Dattamudi (CO-PI), Fouzieh Rouzmehr (CO-PI), Todd Lucas (CO-PI), James Glusing (CO-PI), Mark Everett (CO-PI), Acquisition of Ground Penetrating Radar (GPR) System to Advance Research and Training at Texas A&M University-Kingsville (TAMUK), TAMUK MacKenzie Scott Donation Fund, $93,133, submitted.

2026 Saoli Chanda (PI), Sanku Dattamudi (CO-PI), Tonoy Das (CO-PI), Subbarao Yelisetti (CO-PI), Greta Schuster (CO-PI), Michelle Garcia (CO-PI), Shad Nelson (CO-PI), Building Interdisciplinary Analytical Capacity with an Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES), TAMUK MacKenzie Scott Donation Fund, $396,935, submitted.

2026 Subbarao Yelisetti (PI), Mark Everett (Co-PI), Community-Based Geophysical Investigation of Unmarked Graves in Rivera Cemetery, Texas, Society of Exploration Geophysics, $61,431, October 1, 2026 to September 30, 2028, submitted.

Proposals Submitted but not Funded (Total ~ $5.2M)

2024 Fei He (PI), Subbarao Yelisetti (CO-PI), Modeling, Simulation, and Experiments of Quantum Networking using Game Theory, DOE, $300,000.

2021 Subbarao Yelisetti (PI), CAREER: Seismic Structure of the Cascadia Margin using Integrated Seismological Techniques, National Science Foundation, $499,065.

2021 Reza Nekovei (PI), Amit Verma (CO-PI), Subbarao Yelisetti (CO-PI), David Citrin (CO-PI), Mohammad Ashtijou (CO-PI), Avdesh Mishra (CO-PI), Raghu Raj (CO-PI), Nader Yassin (CO-PI), Implementation of Advanced Extra- Planetary Remote Sensing Consortium, NASA, $499,806.91.

2020 Subbarao Yelisetti (PI), CAREER: Seismic Structure of the Cascadia Margin using Integrated Seismological Techniques, National Science Foundation, $453,398.

2020 Alberto Lopez (PI), Subbarao Yelisetti (CO-PI), Patrick Mills (CO-PI), Zhaoqi Fan (CO-PI), GP-UP: Carbon Capture and Storage for Improving Undergraduate Natural Gas Engineering and Geosciences Education, National Science Foundation, $320,236.

2020 **Monica Estrada and Subbarao Yelisetti (PI), Correlating Porosity, Water Saturation, and Hydrocarbon Saturation Characteristics of Miocene Formation Reservoirs from Well Log Data in the Main Pass Protraction Area in the Gulf of Mexico, Gulf Coast Association of Geological Societies, $2,000.

2019 Subbarao Yelisetti (PI), CAREER: Imaging of Himalayan central seismic gap using integrated seismological techniques, National Science Foundation, $649,749.

2019 Subbarao Yelisetti (PI), Seismic studies in the Himalayas, Faculty reinvestment award, TAMUK, $5,000.

2019 Subbarao Yelisetti (PI), Seismic and Petrophysical Characterization of Hydrocarbon Reservoirs, Spring Research Development Proposal, Texas A&M University-Kingsville, 2019, $4,000.

2018 Alberto Lopez (PI), Subbarao Yelisetti (CO-PI), and Patrick Mills (CO_PI), GP-EXTRA: Carbon Capture and Storage for Improving Undergraduate Natural Gas Engineering and Geosciences Education, National Science Foundation, $308,436.34.

2018 Subbarao Yelisetti (PI), Correlation of sediment physical properties, International Ocean Discovery Program, ~$50,000.

2018 Subbarao Yelisetti (PI), Study of physical properties associated with sill emplacement in the Guaymas Basin, International Ocean Discovery Program, ~$50,000.

2018 Shah Alam (PI), Hong Zhou (CO-PI), Mohammad Hossain (CO-PI), Mohammed Faruqi (CO-PI), Subbarao Yelisetti (Senior Personnel), “Development of a Variable Temperature, Weather Control, Multiaxial Testing System to Advance Research and Training at Texas A&M University-Kingsville”, National Science Foundation-MRI, $1,664,930.

2018 Subbarao Yelisetti (PI), Study of physical properties above and below the megasplay fault structure in the Nankai subduction zone, International Ocean Discovery Program, ~$50,000.

2017 Jong-Won Choi (PI), Richard Coffin (CO-PI), Mohammed Faruqi (CO-PI), Veronica Sanchez (CO-PI), Subbarao Yelisetti (CO-PI), “Acquisition of a High-Capacity Triaxial Test Machine for Multi-disciplinary Research and Education”, National Science Foundation-MRI, $323,688.

Honors and Awards

2025	AGU travel grant, $1,700, to attend AGU annual meeting, New Orleans, LA, Dec 2025.
2025	UNOLS travel grant, $500 to attend MSROC annual community meeting, New Orleans, LA, Dec 2025.
2025	EarthScope travel grant, $750, to attend near-surface geophysics field teaching workshop at Colorado School of Mines, Golden, CO.
2024	AGU travel grant, $1,700, to attend AGU annual meeting, Washington, DC.
2023	**Winner of the Dean's award for outstanding scholarly and creative production**, TAMUK
2019	**Winner of the Olan Kruse Science Faculty award**, Texas A&M University-Kingsville (TAMUK)
2017	**Selected based on the proposal to participate in a NSF sponsored chief scientist training cruise** to acquire marine multichannel seismic data aboard R/V Revelle **off Oregon**, Sep-Oct, 2017.
2016	**Selected based on the proposal to participate in a NSF sponsored chief scientist training cruise** to acquire Marine Geology and Geophysics data aboard R/V Sikuliaq during a transit from **Honolulu, HI to San Diego, CA** in December 2016.
2013	SEG travel grant to attend the SEG/Exxon Mobil Student Education Program and the 2013 SEG Annual Meeting in Houston, USA.
2013	EAGE travel grant to attend the EAGE annual meeting in **London**, UK.
2013	UVic travel grant to attend the EAGE annual meeting, London, UK.
2013	**Chevron Canada Outstanding Student Paper in Seismology at the Canadian Geophysical Union meeting**.
2013	CGU travel grant to attend the CGU annual meeting in Saskatchewan, Canada.
2012	SEG travel grant to attend the SEG/Chevron Student Leadership Symposium and the 2012 SEG Annual Meeting in Las Vegas, USA.
2011	University of Victoria travel grant to attend the American Geophysical Union annual meeting in San Francisco, CA.
2009-2014	Graduate research assistantship, University of Victoria
2009-2012	Teaching assistantship, University of Victoria
2009-2012	University of Victoria fellowship
2006-2008	Baldota fellowship
2005	Summer research fellow, Indian Institute of Astrophysics, Bangalore, India
2004-2006	Merit-cum-means scholarship
2001-2004	Sri Velgapudi Rama Krishna Memorial Prize

Certifications/Trainings

2025-2026 **Participating in the President's Aspiring Leaders Program**, TAMUK, Sep 2025-June 2026.

2024 Certificate in Professional Development for Completion of the Distance Education Course, Texas A&M University-Kingsville

2016 Certificate of Professional Development in Teaching, Texas A&M University-Kingsville

Professional Growth and Activities

Professional membership

2025-present Member of the London Petrophysical Society
2025-present Member of the Aberdeen Formation Evaluation Society
2019-present Member of the Society of Petrophysicists and Well Log Analysts
2019-present Member of the Corpus Christi Geological Society
2015-present Member of the Coastal Bend Geophysical Society
2009-present Member of the Society of Exploration Geophysicists (SEG)
2009-present Member of the American Geophysical Union
2013-2015 Member of the European Association of Geoscientists and Engineers
2013-2015 Member of the Canadian Geophysical Union
2011-2015 Member of the Canadian Society of Exploration Geophysicists

Leadership Roles

2025-pres. President, Coastal Bend Geophysical Society
2023-2025 Vice-president, Coastal Bend Geophysical Society
2018-pres. Member of the Society of Exploration Geophysics (SEG) Council
2017-2023 President, Coastal Bend Geophysical Society
2016-2017 **Vice-president, Coastal Bend Geophysical Society**
2015-2016 Board member, Coastal Bend Geophysical Society
2013-2014 Vice-president of the Victoria Geoscience Society
2013-2014 Vice-President of the University of Victoria Geophysical Society
2012-2013 Initiator and Founding President of the Victoria Geoscience Society
2011-2012 Founding Vice-President of Ocean Students Society at the University of Victoria
2011-2013 CUPE-4163 Steward for School of Earth and Ocean Sciences at University of Victoria
2010-2013 Initiator and Founding President of the University of Victoria Geophysical Society, a local representation of SEG. Our goal is to develop activities related to Geophysics and to encourage networking among alumni and students.

Professional Service

2025 July Mentored six high school students for 3-weeks on a carbon sequestration summer

	research project involving a U.S. Department of Education grant funding
2025-present	SEG Council Medal Evaluation Committee
2024 July	Mentored six high school students for 3-weeks' on investigating submarine landslides off the Cascadia margin summer research project involving NASA grant funding
2024	External reviewer of tenure and promotion portfolio for Texas Christian University
2023	External reviewer of tenure and promotion portfolio for The University of Texas, Permian Basin
2017-2018	**Guest Editor**, Oceanography journal
2017-present	**Reviewer** for Journal of Geophysical Research, Marine and Petroleum Geology, Marine Geodesy, Energies, Oceanography, Applied Sciences, Journal of Marine Science and Engineering, Journal of Engineering and Technological Sciences, International Journal of Environmental Research and Public Health, NSF, and NASA proposals
2018	**Best presentation judge, American Geophysical Union Fall meeting**, Washington, DC, 10th-14th December 2018.
2017	**Session Chair**, Gas Hydrate Deep Drilling: Technology, Recent Data, 11th International Methane Hydrate Research and Development Workshop, Corpus Christi, TX, 5th-8th December 2017.
2017	**Best presentation judge, American Geophysical Union Fall meeting**, New Orleans, LA, 11th-15th December 2017.
2016	Best presentation judge, Gulf Coast Association of Geological Societies annual convention, Corpus Christi, TX, 18th-20th September 2016.
2015-2020	Nonlinear Geophysics web-editor, American Geophysical Union
2015	Best presentation judge, American Geophysical Union Fall meeting, San Francisco, CA, 14th-18th December 2015.

Community Service

2025	**Coastal Bend Regional Science Fair judge**
2025	**Santa Gertrudis ISD Science Fair judge**
2025	Organized CBGS/CCGS joint monthly luncheon meeting, Speaker: Iris Montero Rodriguez, November 2025.
2025	Departmental seminar, TAMUK, Speaker: Zach Liu, Harvestone Low Partners.
2022	Departmental seminar, TAMUK, Speaker: Dr. Snons Cheong, Korea Institute of Geosciences and Mineral Resources, South Korea.
2022	Departmental seminar, TAMUK, Speaker: Dr. Rajesh Vayavur, Laurentian University, Sudbury, ON, Canada.
2021	Departmental seminar, TAMUK, Speaker: Dr. Shuoshuo Han, University of Texas Institute of Geophysics, Austin, TX.

2020 **Organized 2020 Ocean Discovery Lecture** at TMUK, Speaker: Dr. Lisa Tauxe, **Scripts Institution of Oceanography**, University of California, San Diego.

2019 Organized the 15th annual Olan Kruse lecture at TMUK, Speaker: Dr. Nathan Bangs, University of Texas, Austin.

2019 **Organized 2019 Ocean Discovery Lecture** at TMUK, Speaker: Dr. Matthew Hornbach, Southern Methodist University, Dallas.

2018 Organized 2018 Spring Society of Exploration Geophysics Distinguished lecture at TMUK, Speaker: Dr. Bill Symes, Rice University, Houston.

2017 **Organized GeoPRISMS Distinguished lecture** at TMUK, Speaker: Dr. Beatrice Magnani, Southern Methodist University, Dallas.

2016 Organized the 12th annual Olan Kruse lecture at TMUK, Speaker: Dr. Roy Hyndman, Pacific Geoscience Center, Canada.

University Service

Committee Service

2022-2023 **Faculty Search Committee**, Department of Physics and Geosciences, TAMUK

2022-2024 **Faculty Senator**, Texas A&M University–Kingsville

2020-2023 **Undergraduate program review committee**, TAMUK

2020-2022 Piper Award Committee, Texas A&M University-Kingsville

2020-2022 Administrator Evaluation Committee, Texas A&M University-Kingsville

2021-2024 **Continuation, Promotion, and Tenure Committee**, College of Arts and Sciences

2021-2026 **Continuation, Promotion, and Tenure Committee**, Department of Physics and Geosciences

2021-present Departmental monthly seminar co-organizer, Department of Physics and Geosciences

2021-present Departmental annual research symposium co-organizer, Department of Physics and Geosciences

2021 **Chair, Faculty Search Committee**, Department of Physics and Geosciences, TAMUK

2020-2021 Committee on Committees, Texas A&M University-Kingsville

2019-2020 General Education Assessment Committee, TAMUK

2019-2021 **Faculty Senator**, Texas A&M University–Kingsville

2018-present **Arts & Science Graduate Council**, Texas A&M University-Kingsville

2018-present Chair, STSME Geology Scholarship committee, TAMUK

2018-present Chair, Geosciences Board Petrophysics Graduate Scholarship committee, TAMUK

2018-present Chair, Petrophysics Excellence Scholarship Committee, TAMUK

2018-2019 **Chair**, **Undergraduate Program Review Committee**, TAMUK

2018 **Faculty Search Committee**, Department of Physics and Geosciences, TAMUK

2017-2018 Committee on committees, TAMUK

2017-2020 **Undergraduate program review committee**, TAMUK
2016-2019 Arts & Sciences Academic Technology Advisory Committee, TAMUK
2016-2018 **Faculty Senator**, Texas A&M University–Kingsville
2016-2019 Library liaison for the Department of Physics and Geoscience, TAMUK

Other Service Activities

2026 **Developed a graduate certificate in Mineral Exploration**
2023-present **$30M** Schlumberger software grant license manager for TAMUK
2022-present **$10M** Interactive Petrophysics software grant license manager for TAMUK
2022-present **Webmaster**, Department of Physics and Geosciences, TAMUK
2019-present **$20M** Ikon Science RokDoc software grant license manager for TAMUK
2015-present **$7M** IHS Inc., Kingdom and Petra software grant license manager for TAMUK
2019 **Obtained a $10,000 grant for petrophysics scholarship support from CBGS**
2018-present **Graduate Coordinator for Petrophysics**, Texas A&M University-Kingsville
2018-present **Petrophysics program recruitment**
2020-present Javelina Physics Scholarship reviewer, Texas A&M University–Kingsville
2017-2018 Faculty advisor, Lions Club, TAMUK
2016-present Faculty advisor, TAMUK Geophysical Society, Society of Exploration Geophysics student chapter
2016-present Hill Hall emergency building coordinator, Texas A&M University–Kingsville
2017-present Geophysics program recruitment
2015-present Geophysics program coordinator: Established geophysics and petrophysics programs at Texas A&M University–Kingsville.
2015-present **Geophysics lab manager**: Manages Linux servers, installs and updates the software in the geophysics lab at TAMUK.
2018 Best presentation judge, Javelina Research Symposium, April 18, 2018.
2017 Javelina Scholarship reviewer, Texas A&M University–Kingsville
2016-2018 Mentored and provided course materials to new faculty members, Dr. Vinay Kumar, Dr. Darshika Keerthisinghe, Dr. Sergiy Kaim, Dr. Mohammad Hannan, Ms. Cherrie Nelson, Mr. Erick Vallarino, Dr. Himali Kalakhety, and Mr. Britt Long.
2017 Reviewed curriculum proposals of new courses in Non-Seismic Geophysical Exploration and Seismology Laboratory, Texas A&M University–Kingsville.
2015-2017 **Developed curriculum proposals for Master's program in Petrophysics, Bachelor's program in Geophysics, Minor in Geophysics, and Certification in Geophysics** at Texas A&M University-Kingsville. All these programs are approved.
2015-2017 Developed curriculum proposals for new graduate courses in Exploration Geophysics, Seismology, Borehole Geophysics, and undergraduate courses in Computational Methods in Geosciences and Introduction to Geophysics Laboratory

at Texas A&M University-Kingsville. All these courses are approved.

2011-2015 Geophysics lab manager, University of Victoria, Canada

Field Work Experience

2025 *Instructor Workshop*: Teaching Near-surface Geophysics (ground penetrating radar, seismic refraction, electrical resistivity, GPS/GNSS) to Undergraduates from Intro to Majors, July 29-31, Colorado School of Mines campus, Golden, CO.

2017 **Participated in over half a million-dollar NSF-sponsored marine multichannel seismic acquisition cruise** aboard *R/V Revelle* off Oregon, Sep-Oct, 2017.

2017 **Acquired ambient noise seismic data in the Himalayas** to study earthquakes and tectonics, July 2017 (funding ~$79,000, Indian Government).

2016 **Participated in over a million-dollar NSF-sponsored Marine Geology and Geophysics data acquisition cruise** aboard *R/V Sikuliaq* during a transit from Honolulu, HI to San Diego, CA in December 2016.

2016 Geology field trip in Central Texas, Texas A&M University-Kingsville, 3rd Mar – 6th Mar.

2014 Recovery of seismometers that were deployed across Vancouver Island to record earthquakes, University of Victoria, 16th Nov – 21st Nov.

2010 **SeaJade cruise off Vancouver Island** continental slope region to acquire ocean bottom seismometer data for gas hydrate, slumping, and earthquake-related studies aboard *C.C.G. Vessel John P. Tully*, University of Victoria, 30th Jun – 10th Jul.

2009 Batholiths on-land seismic refraction data acquisition in Central British Columbia, Canada, University of Victoria, 11th Jul-25th Jul.

2008 2D seismic reflection data acquisition in Tamilnadu, India, University of Hyderabad, 10th Jun-25th Jun.

2006-2007 Geophysical field training (Airborne, Gravity, Magnetic, Electric, and Electromagnetic data acquisition, processing, interpretation, and report writing) in parts of Rajasthan, Madhya Pradesh, and Andhra Pradesh, India, University of Hyderabad, 4th Dec – 25th Jan.

Student Supervision

2026-pres Ambitious Lifasi (MS)

2026-pres Papa Kwesi Eshun (MS)

2025-pres Prudhvi Raj Kumar (MS)

2025-pres Lasya Koyagura (MS)

2023-2025 Ndeshihafela Kafidi (MS)

2022-2025 Iris Montero Rodriguez (MS)
2023-2024 Jaime Diaz (MS)
2022-2024 Worlanyo Ablordeppey (MS)
2021-2023 Elora Afrin (MS)
2021-2023 William Cathey (MS)
2022-2023 Taiwo Osunrinde (MS)
2021-2022 Dr. Snons Cheong (Visiting Scholar)
2021-2022 Richel Carlus (MS)
2021-2022 Hailey Smith (MS)
2021-2022 Jenny Pinilla Rievera (MS)
2019-2020 Erin Matthys (MS)
2019-2020 Howard Palacios (MS)
2019-2020 Monica Estrada (MS)
2019-2020 Toluwalope Bamisile (MS)
2019-2020 Ajibola Samo (MS)
2018-2019 Itohan Agbonkina (BS)
2017-2019 Lenora Perkins (BS)
2017-2018 Xavier Wright (MS)
2017-2018 Anish Kishore (MS)
2017-2018 Felipe Alarcon (BS)
2017 Monica Estrada (BS)
2015-2016 Miguel Rodriguez (MS)

Selected Collaborators

2026-present Mark Everett, Texas A&M University, College Station (Near-surface geophysics)
2026-present Ingo Pecher, Texas A&M University-Corpus Christi (Gas hydrates)
2021-2025 Snons Cheong, Korea Institute of Geosciences and Mineral Resources, **South Korea** (Seismic Imaging & Reservoir Characterization)
2018-2021 Hongqiang Li, Chinese Academy of Geosciences, **China** (Himalayan crustal structure)
2016-present Dibakar Ghosal, Indian Institute of Technology, Kanpur, **India** (Seismic imaging)
2016-2020 Michael Riedel, GEOMAR, Helmholtz Centre for Ocean Research, Kiel, **Germany** (Arctic gas hydrates & Haida Gwaii crustal structure)
2015-2017 Tao He, Peking University, Beijing, China (Gas hydrates and slope failure)
2013-2017 Dirk Klaeschen, GEOMAR, Helmholtz Centre for Ocean Research, Kiel, Germany (Cascadia crustal structure)
2013-2017 Martin Scherawath, Ocean Networks Canada, University of Victoria, **Canada** (Cascadia crustal structure)

Publications

*Undergraduate student, **Graduate student, ***Visiting scientist supervised by me.

Refereed Journal Articles

2025 ***Cheong, S., Yelisetti, S., Sanchez, V., Quantitative matching of CO_2 amounts via seismic attributes in the Sleipner Field, *Frontiers in Earth Science, section Georeservoirs*, Vol. 13, https://doi.org/10.3389/feart.2025.1487480 (IF=2.6).

2024 Subbarao Yelisetti, Ghosal, D., *Perkins, L., Hyndman, R. D., Mapping of fluid venting and attenuation of hydrate bearing sediments from offshore Oregon, *Canadian Journal of Earth Sciences*, https://doi.org/10.1139/cjes-2024-0053 (IF=1.3).

2023 **Osunrinde, T., Yelisetti, S., Sanchez, V., The effect of depositional environment on sustaining a carbon storage site, *The Leading Edge*, 42(11), pp. 737-747, https://doi.org/10.1190/tle42110737.1.

2022 ***Cheong, S., Yelisetti, S., Park, CH., Porosity Estimation by Neural Networks for CO2 storage in Otway Site, *Geomechanics and Geophysics for Geo-Energy and Geo-Resources*, 8(5), 162, https://doi.org/10.1007/s40948-022-00465-4 (IF=4.9).

2022 Kumar, V.; Patil, R.; Bhawar, R.L.; Rahul, P.R.C.; Yelisetti, S. Increasing Wind Speeds Fuel the Wider Spreading of Pollution Caused by Fires over the IGP Region during the Indian Post-Monsoon Season. *Atmosphere* 2022, *13*, 1525. https://doi.org/10.3390/atmos13091525 (IF=3.1).

2022 ***Cheong, S.; Yelisetti, S.; Chun, J.-H. Numerical Imaging of the Seabed and Acoustic Flares with Topography and Velocity Variance. *Remote Sens.* 2022, *14*, 4652. https://doi.org/10.3390/rs14184652 (IF=5.3).

2022 Tréhu, A.M., Tominaga, M., Lyle, M., Davenport, K., Phrampus, B.J., Favorito, J., Zhang, E., Lenz, B.L., Shreedharan, S. and Yelisetti, S., The hidden history of the south-central Cascadia subduction zone recorded on the Juan de Fuca plate offshore southwest Oregon. Geochemistry, Geophysics, Geosystems, p.e2021GC010318, https://doi.org/10.1029/2021GC010318 (IF=4.5).

2022 Shubham Tiwari, Dibakar Ghosal, Rahul Kumar Singh, Subbarao Yelisetti, Mapping of hydrocarbon-bearing reservoirs using frequency-dependent amplitude vs. offset (FAVO). J Earth Syst Sci 131, 43 (2022). https://doi.org/10.1007/s12040-021-01783-z (IF=2.0).

2021 Subbarao Yelisetti and Spence, G.D., Seismic velocity structure beneath the Vancouver Island continental shelf using full waveform inversion of multichannel seismic data. *Energies*, 2021, 14(11), 3099, https://doi.org/10.3390/en14113099 (IF=3.3).

2021 Hongqiang Li, Rui Gao, Wenhui Li, Ramon Carbonell, Subbarao Yelisetti, Xingfu Huang, Zhuoxuan Shi and Zhanwu Lu, The Mabja Dome Structure in Southern

Tibet Revealed by Deep Seismic Reflection Data and Its Tectonic Implications, *Journal of Geophysical Research*, *Journal of Geophysical Research: Solid Earth*, *126*, e2020JB020265. https://doi.org/10.1029/2020JB020265 (IF=4.4).

2020 M. Riedel, S. Yelisetti, C. Papenberg, K. M. M. Rohr, M. M. Côté, G. D. Spence, R. D. Hyndman, T. James, 2012 Haida Gwaii Mw 7.8 Earthquake – Seismic velocity structure of the Queen Charlotte Terrace region from wide-angle seismic refraction tomography, *Geosphere*, DOI:10.1130/GES02258.1. (IF=4.2).

2018 Smith, L.M., T.J. Cowles, R.D. Vaillancourt, and S. Yelisetti; Introduction to the special issue on the Ocean Observatories Initiative, *Oceanography,* 31(1):12–15, https://doi.org/10.5670/oceanog.2018.104 (IF=3.4).

2017 Yanchilina, A.G., Yelisetti, S., Wolfson-Schwehr, M., Voss, N., Kelly, T. B., Brizzolara, J., Brown, K.L., Fung, M., Guerra, M., Zayac, J.M., Coakley, B., and R. Pockalny; Exploring methane gas seepage in the California Borderlands, *Eos, 98*, doi: 10.1029/2017EO087843.

2017 Subbarao Yelisetti, Spence, G.D., Scherwath, M., Riedel, M., and Klaeschen, D.; Dual-vergence structure from multiple migration of widely spaced OBSs from northern Cascadia margin. *Tectonophysics*, volume 718, pages 45-60, doi: 10.1016/j.tecto.2017.04.005. (IF=3.7).

2014 Subbarao Yelisetti, G. D. Spence, M. Riedel; Role of gas hydrates in slope failure on frontal ridge of northern Cascadia margin, *Geophysical Journal International,* 199(1), 441-458, doi:10.1093/gji/ggu254. (IF=3.4).

Refereed Extended Abstracts

2026 Papa Kwesi Eshun**, Clement Nuamah**, Ebenezer Ansah, Subbarao Yelisetti, 2026, Hybrid Gorilla Troops Optimization–Backpropagation Neural Network for Porosity and Permeability Prediction: A Case Study from the Sleipner Field, North Sea, In Sixth International Meeting for Applied Geoscience & Energy (pp. xx-xx). Society of Exploration Geophysicists and American Association of Petroleum Geologists, doi: pending.

2026 Tobechukwu Ude-Akpeh, Jaime Diaz**, Junyon Park, Gahyeon Lee, Jiyeon Lee, Tresia Shifugula**, Clement Nuamah**, Papa Kwesi Eshun**, Theophilus Adu-Azumah, Chukwudi Onyeakusi, Subbarao Yelisetti, and Jaewook Lee, 2026, Seismic attribute-guided channel identification and geologically constrained CO_2 plume prediction at Sleipner, In Sixth International Meeting for Applied Geoscience & Energy (pp. xx-xx). Society of Exploration Geophysicists and American Association of Petroleum Geologists, doi: pending.

2024 **Ablordeppey, W., Yelisetti, S., Sanchez, V. and Nyamasekpor, S., 2024, July. 3D seismic attributes and petrophysical analyses for reservoir characterization: Mississippian Osagian and Kinderhookian, Patterson Field, USA. In Fourth International Meeting for Applied Geoscience & Energy (pp. 1516-1519). Society

of Exploration Geophysicists and American Association of Petroleum Geologists, https://doi.org/10.1190/image2024-4099819.1.

2023 **Taiwo Osunrinde, Subbarao Yelisetti, Veronica Sanchez, The effect of depositional environment on CO_2 storage, in *SEG Technical Program Expanded Abstracts 2023, Society of Exploration Geophysicists*, *Society of Exploration Geophysicists*, https://imageevent.aapg.org/portals/26/3917382.pdf.

2020 **Monica Estrada, Subbarao Yelisetti, Veronica Sanchez, Correlating Porosity, water saturation and hydrocarbon saturation characteristics of Miocene Formation reservoirs from well log data in the Main Pass protraction area, Gulf of Mexico, in *SEG Technical Program Expanded Abstracts 2020, Society of Exploration Geophysicists*, *pp. 1077-1081,* doi: 10.1190/segam2020-3428220.1, https://doi.org/10.1190/segam2020-3428220.1.

2020 Schneider, Robert V., Subbarao Yelisetti, and Thomas McGehee. Initiation of a New Geophysics Degree Program in South Texas, GeoGulf Transactions, Vol. 70 (2020), No. 1., Pages 197-202.

2013 Subbarao Yelisetti, George. D. Spence; Seismic structure beneath the Vancouver Island continental shelf using full waveform inversion of multichannel seismic data, *EAGE proc.*, doi:10.3997/2214-4609.20130837.

2013 Subbarao Yelisetti, George. D. Spence; Seismic velocity and attenuation structure beneath the Vancouver Island continental shelf using frequency domain visco-acoustic full waveform inversion of multichannel seismic data, *Elements.*, Vol. 31, Number 2, 32-36, 2013. (PDF)

Student Thesis Supervision

2025 Ndeshihafela Kafidi, Seismic tomography and gas hydrate potential assessment of the Cascadia margin, Master's thesis, Texas A&M University-Kingsville, May, 2025.

2025 Iris Montero Rodriguez, Chase Formation Evaluation, Hugoton Field, Kansas using Machine Learning, Master's thesis, Texas A&M University-Kingsville, May, 2025.

2024 Jaime Diaz, 3D Geological Modeling in a Gas Field in the Lower Magdalena Valley Basin, CDO Formation, Columbia, Master's thesis, Texas A&M University-Kingsville, May, 2024.

2024 Worlanyo Ablordeppey, 3D Seismic Attributes and Petrophysical Analyses for Reservoir Characterization: Mississippian Osagian and Kinderhookian, Patterson Field, Kansas, USA, Master's thesis, Texas A&M University-Kingsville, May, 2024.

2023 Taiwo Osunrinde, The effect of depositional environment on sustaining a carbon storage site, Master's thesis, Texas A&M University-Kingsville, August 2023.

2023 William Cathey, Seismic characterization of the Cascadia margin, Master's thesis,

Texas A&M University-Kingsville, Withdrawn from thesis after proposal defense. Moved to the research project option in August 2023 after spending 2 years on the thesis.

2023 Elora Afrin, Seismic characterization of gas hydrate and free gas systems offshore Washington margin, Master's thesis, Texas A&M University-Kingsville, Withdrawn from the program in Fall 2023 in the later stages of her thesis; Defended proposal in Fall 2021.

2022 Hailey Smith, Oligocene Vicksburg Formation V-17 Reservoir Evaluation in the La Rucia North Field, Brooks County, Texas, Master's thesis, Texas A&M University-Kingsville, August 2022.

2022 Richel Carlus, Multichannel Seismic Velocity Analysis of Southern Cascadia Margin using Seismic Traveltime Tomography, Master's thesis, Texas A&M University-Kingsville, August 2022.

2022 Jenny Pinilla Rivera, Petrophysical Modeling of a Braided Fluvial Reservoir using Machine Learning, Master's thesis, Texas A&M University-Kingsville, May 2022.

2020 Toluwalope Bamisile, Seismic Structure and Gas Hydrate Studies on the Southern Cascadia Margin Using Multichannel Seismic Data, Master's thesis, Texas A&M University-Kingsville, August 2020.

2020 Monica Estrada, Correlating porosity, water saturation and hydrocarbon saturation characteristics of Miocene formation reservoirs from seismic and well log data in the Main Pass protraction area, Gulf of Mexico, Master's thesis, Texas A&M University-Kingsville, August 2020.

2020 Ajibola Samo, Reservoir characterization of the Volve field, North Sea using rock-physics modeling, Master's thesis, Texas A&M University-Kingsville, July 2020.

2020 Howard Palacios, 3D Seismic Characterization And Prospect Assessment Of The Upper Miocene Interval, Virgo Block, Offshore Louisiana, Gulf Of Mexico, Master's thesis, Texas A&M University-Kingsville, July 2020.

2020 Erin Matthys, Integrated reservoir analysis of the Oligocene, Frio Formation 10-A reservoir sand at Rita Field, Kenedy County, Texas, Master's thesis, Texas A&M University-Kingsville, June 2020.

List of Courses Taught

Department of Physics and Geosciences, Texas A&M University-Kingsville, 2015 – present
Physics, BS

1. PHY 1301-College Physics I
2. PHY 1302-College Physics II
3. PHYS 2325-University Physics I
4. PHYS 2326-University Physics II
5. PHY 1101-College Physics I Lab

6. PHY 1102-College Physics II Lab
7. PHY 2125-University Physics I Lab
8. PHY 2126-University Physics II Lab
9. PHYS 4390-Geophysics

Geology, BS

10. GEOL 1301-Earth Science I
11. GEOL 1303-Physical Geology
12. GEOL 4307 Applied Geology
13. GEOL 4107 Applied Geology Lab

Geophysics, BS

14. GEOL 3370-Introduction to Geophysics
15. GEOL 3446-Computational Methods in Geosciences
16. GEOL 3446-Computational Methods in Geosciences Lab
17. GEOL 4375-Seismology
18. GEOL 4175-Seismology Lab

Petrophysics, MS

19. PHYS 5382-Exploration Geophysics
20. PHYS 5385-Seismology
21. PHYS 5388 Borehole Geophysics
22. GEOL 5310 Topic: Gas Hydrates
23. GEOL 5310 Topic: Carbon Solutions
24. GEOL 5310 T: Seismic Inversion Methods
25. PHYS 5310 T: Seismic Interpretation
26. GEOL 5310 T: Petroleum Geology
27. GEOL 5310 T: Writing in the Sciences
28. GEOL 5310 T: Manuscript Writing
29. GEOL 5305 Graduate Research Project
30. GEOL 5306 Thesis

List of Courses TA'ed

School of Earth and Ocean Sciences, University of Victoria, Canada, 2009-2014

1. EOS 314- Descriptive Physical Oceanography
2. EOS 210- Introductory Geophysics
3. EOS 170- Natural Hazards
4. EOS 110- Oceans and Atmosphere

Department of Physics and Astronomy, University of Victoria, Canada, 2009-2014

5. PHY 216- Electricity and Magnetism
6. PHY 125- Fundamentals of Physics
7. PHY 102- General Physics

Research Interests

Plate tectonics, continental margin and ocean basin processes, crustal structure, sediment deformation and physical properties, gas hydrates, slope failure, reservoir characterization, petrophysics, CO_2 sequestration, 3D geological modeling, seismic data acquisition, processing and interpretation, seismic imaging, travel time and full waveform inversion, multiple migration, effective medium modeling, visco-acoustic and elastic finite difference modeling.

Selected Current and Past Research Projects

2024-present	CO_2 sequestration studies in the Gulf of Mexico
2023-present	3D Seismic Attributes and Petrophysical Analyses for Reservoir Characterization: Mississippian Osagian and Kinderhookian, Patterson Field, Kansas, USA
2022-2023	Chase Formation Evaluation, Hugoton Field, Kansas, using Machine Learning
2022-2023	3D Geological Modeling in a Gas Field in the Lower Magdalena Valley Basin, CDO Formation, Colombia
2022-2023	The effect of depositional environment on sustaining a carbon storage site
2021-2022	Petrophysical Modeling of a Braided Fluvial Reservoir using Machine Learning
2021-2022	Oligocene Vicksburg Formation V-17 Reservoir Evaluation in the La Rucia North Field, Brooks County, Texas
2019-2020	Identification and characterization of Cenozoic and Mesozoic resources in the Gulf of Mexico
2019-2020	Reservoir characterization of the Volve field, North Sea, using rock-physics modeling
2019-2020	Reservoir analysis of Oligocene Formations in Kenedy County, Texas
2018-2019	Himalayan crustal structure
2014-2015	Switching vergence along the Cascadia margin: implications for natural hazards
2017-2024	Seismic structure and gas hydrates off Oregon
2015-2017	Seismic studies in the Arctic Beaufort Sea
2015-2020	Crustal structure beneath Haida Gwaii using tomography and multiple migration
2010-2014	Seismic structure, gas hydrate, and slumping studies on the northern Cascadia margin
2009-2021	Continental shelf seismic analysis off Vancouver Island using full-waveform

inversion

Conference/Meeting Presentations and Abstracts

International

2026 Papa Kwesi Eshun**, Clement Nuamah**, Ebenezer Ansah, Subbarao Yelisetti, 2026, Hybrid Gorilla Troops Optimization–Backpropagation Neural Network for Porosity and Permeability Prediction: A Case Study from the Sleipner Field, North Sea, SEG extended abstract presented at IMAGE annual meeting, Houston, TX, 17th-20th Aug, 2026.

2026 Tobechukwu Ude-Akpeh, Jaime Diaz**, Junyon Park, Gahyeon Lee, Jiyeon Lee, Tresia Shifugula**, Clement Nuamah**, Papa Kwesi Eshun**, Theophilus Adu-Azumah, Chukwudi Onyeakusi, Subbarao Yelisetti, and Jaewook Lee, 2026, Seismic attribute-guided channel identification and geologically constrained CO_2 plume prediction at Sleipner, SEG extended abstract presented at IMAGE annual meeting, Houston, TX, 17th-20th Aug, 2026.

2025 Subbarao Yelisetti, Geoscience workforce development at the crossroads: challenges and successful innovative strategies, Abstract # ED24A-04 presented at the 2025 Fall meeting, AGU, New Orleans, LA, 15th-19th December.

2024 Subbarao Yelisetti, Vinay Kumar, Mario Escobar, Impact Analysis of 2024 Hurricane Helene: Rainfall Extremes, Flood Hazards, and Preparedness Challenges in the Appalachian Mountains, Abstract # NH01-80 presented at 2024 Fall Meeting, AGU, Washington, DC, 9-13 Dec.

2024 **Worlanyo Ablordeppey, Subbarao Yelisetti, Veronica Sanchez, 3D Seismic Attributes and Petrophysical Analyses for Reservoir Characterization: Mississippian Osagian and Kinderhookian, Patterson Field, USA, SEG extended abstract presented (poster) at 94th SEG annual meeting, Houston, TX, 26th-29th Aug, 2024.

2023 **Taiwo Osunrinde, Subbarao Yelisetti, Veronica Sanchez, The effect of depositional environment on CO_2 storage, SEG extended abstract presented (oral) at 93rd SEG annual meeting, Houston, TX, 27th Aug-1 Sep, 2023.

2023 **Worlanyo Ablordeppey, Iris Montero, Travis Bradhurt, Elora Afrin, Subbarao Yelisetti, Subsurface characterization of the Vermilion, SEG EVOLVE program, poster presentation at the 93rd SEG Annual meeting, Houston, TX, 27th Aug-1 Sep, 2023.

2021 Subbarao Yelisetti, Shashank Verma, Harshad Kumar Srivastava, Dibakar Ghosal, Morphotectonics of Baur and Dabka rivers of Kumaon Himalaya from high-resolution seismic tomography, Abstract # S25G-0334 presented at 2021 Fall Meeting, AGU, New Orleans, LA, 13th-17th December 2021.

2020 Subbarao Yelisetti, Dibakar Ghosal, Veronica Sanchez, Seismic structure and gas hydrate studies on the southern Cascadia margin using multichannel seismic data, Abstract # S062-0021 presented at 2020 Fall Meeting, AGU, San Francisco, CA, 7^{th}-11^{th} December 2020.

2020 **Monica Estrada, Subbarao Yelisetti, Veronica Sanchez, Correlating Porosity, water saturation and hydrocarbon saturation characteristics of Miocene Formation reservoirs from well log data in the Main Pass protraction area, Gulf of Mexico, SEG extended abstract presented (oral) at 90^{th} SEG annual meeting, Houston, TX, 11^{th}-16^{th} October 2020.

2020 **Ajibola Samo, Subbarao Yelisetti, Reservoir characterization of the Volve field, North Sea, using 4D seismic and rock-physics modeling, 36th International Geological Congress, New Delhi, India, 2-8th March, 2020.

2020 **Erin Matthys, Subbarao Yelisetti, Integrated Reservoir Analysis of the Oligocene, Frio Formation 10-A Reservoir Sand at Rita Field, Kenedy County, Texas, 36th International Geological Congress, New Delhi, India, 2nd- 8th March, 2020.

2020 Subbarao Yelisetti, *Lenora Perkins, Dibakar Ghosal, and RR1718 Science Party, Identification of BSR and Associated Fluid Flow Distribution off Oregon, 36th International Geological Congress, New Delhi, India, 2nd- 8th March, 2020.

2020 **Toluwalope Bamisile, Subbarao Yelisetti, Seismic structure and gas hydrate studies on the southern Cascadia margin using waveform tomography, 36th International Geological Congress, New Delhi, India, 2nd-8th March, 2020.

2019 Hongqiang Li, Gao, R., Yelisetti, S., Li, W., Lu, Z., Shi, Z., Full-waveform inversion of deep seismic reflection data in southern Tibet and its tectonic implications, Abstract # T23E-0489 presented at 2019 Fall Meeting, AGU, San Francisco, CA, 9-13 Dec.

2019 **Howard Palacios, **Monica Estrada, Subbarao Yelisetti, Identifying valuable resources through the integration of 3D seismic, well log, and biostratigraphic tops- A case of study in the Main Pass area, Gulf of Mexico, SEG EVOLVE program, 89th SEG Annual meeting, San Antonio, TX, 15-20th September, 2019.
**** Won three awards for best investment opportunity, most cheerful team, and most cheerful person.**

2018 Lenora Perkins*, Subbarao Yelisetti, Dibakar Ghosal, and RR1718 Science Party, Fluid flow and BSR distribution off Oregon, Abstract # OS51F-1370 presented at 2018 Fall Meeting, AGU, **Washington, DC**, 10-14 Dec.

2017 Subbarao Yelisetti, Dibakar Ghosal, George Spence, Shallow subsurface imaging of northern Cascadia margin using downward continued short-streamer data, Abstract NS33A-0055 presented at 2017 Fall Meeting, AGU, New Orleans, LA, 11-15 Dec.

2017 Songbo Long, Tao He, Kun Lan, George Spence, and Subbarao Yelisetti, 3D Finite Element Modeling for Possible Creeping Behavior of Gas Hydrate-related Slipstream Submarine Slide, offshore Vancouver Island, Canada, Abstract OS51C-08 presented at 2017 Fall Meeting, AGU, New Orleans, LA, 11-15 Dec.

2017 Subbarao Yelisetti, Tao He, and George Spence, Role of gas hydrates in slope failure of northern Cascadia margin, Abstract presented (***Invited*** talk) at the 11th International Methane Hydrate Research and Development Workshop, Corpus Christi, TX, 5th-8th December.

2017 *Lenora Perkins, Subbarao Yelisetti, *Felipe Alarcon-Canto, and RR1718 Science Party, Distribution of hydrate BSRs and fluid flow off Oregon, Abstract presented at the 11th International Methane Hydrate Research and Development Workshop, Corpus Christi, TX, 5th-8th December.

2016 Songbo Long, Tao He, Kun Lan, George Spence, and Subbarao Yelisetti, Velocity structure and 3D finite element modeling for critical instability of gas hydrate-related Slipstream submarine slide, offshore Vancouver Island, Canada, Abstract B21G-0491 presented at *2016 Fall Meeting, AGU, San Francisco, CA,* 12-16 Dec.

2016 Subbarao Yelisetti (2016), Dual-vergence structure of multiple migration of widely spaced OBSs, ***Invited*** *talk, Department of Earth Sciences, Indian Institute of Technology, Kanpur, India,* 9th August.

2016 Subbarao Yelisetti, Seismic velocity and attenuation structure beneath the Vancouver Island continental shelf using visco-acoustic full waveform inversion, ***Invited*** *talk, GEOMAR Helmholtz Center for Ocean Research, Kiel,* ***Germany****,* 17th June.

2016 Subbarao Yelisetti, George Spence, Martin Scherwath, Michael Riedel, and Dirk Klaeschen; Dual-vergence structure from multiple migration of widely spaced OBSs, Abstract presented (oral) at the *17th International Seismix Symposium, Avimore,* ***Scotland***, 15th-20th May.

2015 Tao He, Hailong Lu, Subbarao Yelisetti, and George Spence; P-Wave and S- Wave Velocity Structure of Submarine Landslide Associated With Gas Hydrate Layer on Frontal Ridge of Northern Cascadia Margin, Abstract B12B-08 presented (oral) at *2015 Fall Meeting, AGU,* ***San Francisco****, CA,* 14-18 Dec.

2015 Subbarao Yelisetti, George Spence, Michael Riedel, Martin Scherawath, Shuichi Kodaira and Koichiro Obana; Recent OBS studies on the Northern Cascadia margin-SeaJade project, *International OBS special interest group meeting at 2015 AGU Fall meeting, San Francisco, CA*, 15th Dec.

2015 Subbarao Yelisetti, Michael Riedel, and George. D. Spence, Seismic structure of the Haida Gwaii region using tomography and multiple migration of OBS data, Abstract presented (oral) at *2015 Joint Assembly, AGU/CGU,* ***Montreal****, Canada*, 3-7 May.

2013 Subbarao Yelisetti, George. D. Spence; Seismic velocity and attenuation structure beneath the Vancouver Island continental shelf using frequency domain visco-acoustic fullwaveform inversion of multichannel seismic data, ***Invited*** *talk, National Geophysical Research Institute, Hyderabad,* ***India***, 16 July.

2013 Subbarao Yelisetti, George. D. Spence; Seismic structure beneath the Vancouver Island continental shelf using full waveform inversion of multichannel seismic data, Expanded abstract We-11-13 presented (oral) at 75th *European Association of Geoscientists and Engineers Conference,* ***London****, UK,* 10-13 June.

2013 Subbarao Yelisetti, George. D. Spence; Seismic velocity and attenuation structure beneath the Vancouver Island continental shelf using frequency domain visco-acoustic fullwaveform inversion of multichannel seismic data, Expanded abstract 3C8.4-6599 presented (oral) at *Canadian Geophysical Union Annual Meeting, Saskatoon, Canada*, 26 - 30 May.

****Chevron Canada Outstanding Student Paper in Seismology award**

2012 Subbarao Yelisetti, University of Victoria Geophysical Society - activities, Poster presentation at the Student Leadership Symposium, *2012 Society of Exploration Geophysics Annual Meeting, Las Vegas, NV, USA*, 4-9 November.

2012 Subbarao Yelisetti, George. D. Spence; Seismic structure of the Vancouver Island continental shelf using waveform inversion of multichannel seismic data, oral presentation at waveform tomography workshop, *University of Western Ontario, London, Canada,* 9 - 12 July.

2011 Subbarao Yelisetti, G. D. Spence, M. Riedel; Role of gas hydrates in slope failure on frontal ridge of northern Cascadia margin, Abstract OS13C-1538 presented at *2011 Fall Meeting, AGU, San Francisco, Calif.,* 5-9 Dec.

2010 Subbarao Yelisetti, George. D. Spence; Seismic structure of the Vancouver Island continental shelf using tomographic & waveform inversion of multichannel seismic refraction data, Abstract S42A-08 presented (oral) at *2010 Fall Meeting, AGU, San Francisco, Calif.,* 13-17 Dec.

National

2025 **Iris Montero Rodriguez, Subbarao Yelisetti, Veronica Sanchez, Chase Formation Evaluation, Hugoton Field, Kansas, using Machine Learning, Houston Geological Society Student Expo, **2nd prize award**, September 15.

2020 Schneider, Robert V., Subbarao Yelisetti, and Thomas McGehee. Initiation of a New Geophysics Degree Program in South Texas, 70th Annual Convention, Gulf Coast Association of Geological Societies and the Gulf Coast Section of SEPM, September 30-October 2, 2020, Lafayette, Louisiana.

2020 **Monica Estrada, Subbarao Yelisetti, Correlating Porosity Characteristics of Miocene Formation Reservoirs from Well Log Data in the Main Pass Protraction Area in the Gulf of Mexico, 8th Annual Seismology Student Workshop, Lamont-

Doherty Earth Observatory, Palisades, New York, 19th- 20th March 2020.

2019 **Ajibola Samo, Subbarao Yelisetti, Reservoir characterization of the Volve field, North Sea, using 4D seismic and rock-physics modeling, AAPG Student Expo, Houston, TX, 6th September, 2019.

2018 Lenora Perkins* and Subbarao Yelisetti, Seismic studies on the Cascadia margin using tomography, The 7th Annual Undergraduate Research Symposium and Graduate Schools Expo, University of West Alabama, Livingston, AL, 6th Mar.

2018 Robert V. Schneider, Subbarao Yelisetti, and Thomas McGehee, Initiation of a New Geophysics degree in South Texas, GSA South-Central Section Meeting, Geological Society of America Abstracts with Programs, Vol. 50, No. 1, doi: 10.1130/abs/2018SC-310238.

2016 Subbarao Yelisetti, Thomas Mcgehee, and Lionel Hewett; Overview of Proposed Geophysics/Petrophysics Programs at Texas A&M University–Kingsville, Abstract presented at the *Gulf Coast Association of Geological Societies Annual Convention, Corpus Christi, TX, USA*, 18th-20th September.

2016 Subbarao Yelisetti; Seismic velocity and attenuation structure using visco- acoustic frequency domain full waveform inversion of marine active source seismic data, ***Invited*** *talk, University of Texas-Pan American, Rio Grande Valley Oil and Gas Conference*, *Edinburg, TX, USA*, 24th-25th March.

Regional

2025 Subbarao Yelisetti, Ground Penetrating Radar and its Applications, Austin Community College, October 24, 2025, ***Invited*** *talk*.

2019 Lenora Perkins*, Subbarao Yelisetti, Fluid flow and BSR distribution off Oregon, Corpus Christi Geological Society Meeting, 20th Feb, ***Invited*** *talk*.

2019 Subbarao Yelisetti, Overview of Geophysics/Petrophysics Programs at Texas A&M University–Kingsville, Corpus Christi Geological Society Meeting, 20th Feb, ***Invited*** *talk*.

2018 Lenora Perkins*, Subbarao Yelisetti, Dibakar Ghosal, and RR1718 Science Party, Fluid flow and BSR distribution off Oregon, Abstract presented at 2018 Pathways Student Research Symposium, West Texas A&M University, 1-2 Nov.
****Best presentation award in the physical sciences category.**

2018 Subbarao Yelisetti, Overview of Geophysics/Petrophysics Programs at Texas A&M University–Kingsville, Corpus Christi Geological Society Meeting, 21st Mar, ***Invited*** *talk*.

2018 Lenora Perkins* and Subbarao Yelisetti, Seismic structure of the Cascadia margin, Corpus Christi Geological Society Meeting, 21st Mar.

2017 Subbarao Yelisetti, Seismic full waveform inversion, ***Invited*** *talk, 2nd Coastal*

Bend Mathematics and Statistics Symposium, Kingsville, TX, 1 Apr, 2017.

2016 Subbarao Yelisetti; Seismic velocity and attenuation structure of the Vancouver Island margin using visco-acoustic full waveform inversion of marine active source seismic data, ***Invited*** *talk, Society of Independent Petroleum Earth Scientists*, *Corpus Christi, TX, USA*, 29th March.

Local

2016 Subbarao Yelisetti; Visco-acoustic frequency domain full waveform inversion of seismic data, ***Invited*** *talk, Department of Mathematics, Texas A&M University-Kingsville, Kingsville, TX, USA*, 30th March.

Project Supervision

2019 Lenora Perkins, Fluid flow and BSR distribution off Oregon, BS Honors project, Texas A&M University-Kingsville, May 2019.

Dissertation Committees

2020 Abdullah Al Hadi, Design and Control of Multilevel Converters for Grid-Connected Renewable Energy Sources, PhD dissertation, Texas A&M University-Kingsville, March 2020.

2020 Muath Bani Salim, Novel Acceptor Materials Design for Bulk Heterojunction Organic Solar Cells Applications, PhD dissertation, Texas A&M University-Kingsville, February 2020.

Thesis

2014 Seismic structure, gas hydrate, and slumping studies on the Northern Cascadia margin using multiple migration and full waveform inversion of OBS and MCS data, ***PhD Thesis***, University of Victoria, Canada. **Advisor**: Prof. George Spence

2008 Estimation of physical parameters from gas hydrate BSR off Andaman offshore, University of Hyderabad, India, ***MTech Thesis***. **Advisor**: Dr. Kalachand Sain

Technical Reports

2017 Seismic Early Career Chief Scientist Training Cruise Participants & Masako Tominaga, Anne Trehu, Mitch Lyle, Gregory Mountain, Rebecca Fowler, Kathy Davenport, and Ben Phrampus; SEISMIC EARLY CAREER CHIEF SCIENTIST TRAINING CRUISE 2017, Cascadia Margin (RR1718), Cruise report, doi:10.7284/907830.

2015 Subbarao Yelisetti and Stan Dosso; New seismic studies in the Beaufort Sea, Report submitted to Natural Resources Canada, Geological Survey of Canada.

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