LSU

Department of Civil & Environmental Engineering

# CEE IN FOCUS

SPRING 2022 • VOLUME 21 • NUMBER 2

## FROM THE DEPARTMENT CHAIR

I would like to thank our alumni and friends of the department for their continuous support and contributions to the Department of Civil and Environmental Engineering. Needless to say, I also thank the backbone of the department—the faculty, students, and staff—in helping us achieve our goals and aspirations.

We are very proud to announce that the department inducted into its Hall of Distinction two new members in May of 2022. The first inductee, Elif Acar-Chiasson, is a registered professional engineer with more than 30 years of progressive engineering, management, and leadership experience in complex civil, geotechnical, and geo-environmental projects. She is the executive vice president of talent and innovation at CSRS. The second inductee is Dr. Thiagarajan Ganesh, a professor of civil engineering at the University of Missouri-Kansas City and a proud graduate of LSU with a PhD from the Department of Civil and Environmental Engineering in 1996.

Two of our current faculty also received college awards. Dr. Karim Elkholy was honored with the LSU College of Engineering Instructor Excellence Award, and Dr. Sabarethinam Kameshwar received the William A. Brookshire Award for Teaching Excellence. In addition, three of our faculty received departmental awards. Dr. Kameshwar received the CEE Educational Achievement Award, Dr. Shengli Chen received the CEE Educational Achievement Award, and Dr. Samuel Snow received the CEE Research Achievement Award.

We are very happy to welcome Dr. Yen-Fang Su who will join the LSU Department of Civil and Environmental Engineering as a new faculty member in structural engineering. Dr. Su has conducted multidisciplinary structural engineering, materials science, and artificial intelligence-related research during his academic journey. We are also delighted to welcome Dr. Kofi Christie as a new faculty member in environmental engineering. They will both be joining our department in the Fall of 2022.

The department had a successful Graduate Student Research Conference (GSRC) on Friday, April 22, in Patrick F. Taylor Hall. This was the first in-person GSRC event being held since the onset of the Covid-19 pandemic. Twenty-five students submitted abstracts, and 20 of those presented their research work to fellow students, faculty, visitors, and local experts.

Our students competed in national and international competitions this academic year and obtained numerous awards and distinctions. LSU's ASCE student chapter travelled to Auburn University from March 31-April 2 to compete in the first in-person student conference in three years. The AISC Steel Bridge Competition returned to ASCE events for the first time in several years.

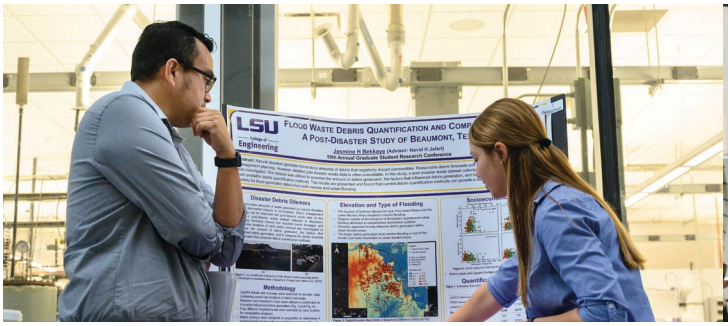
In addition, the LSU environmental engineering students competed at the 2022 WERC Design Competition in Las Cruces, New Mexico, from April 10-13. Students competed in the competition as part of their capstone design experience. LSU competed against teams from Cal Poly-San Luis Obispo, University of Idaho, University of Colorado-Boulder, Michigan Tech, New Mexico State University, University of Tennessee-Chattanooga, Northern Arizona University, and Ohio University. Six LSU teams competed in four tasks. The 10 trophies from the 2022 teams double the most we have ever won at the competition.

Dr. George Z. Voyiadjis, D.Eng.Sc.,
Boyd Professor
Chair and Bingham C. Stewart
Distinguished Professor of Engineering

# DEPARTMENT NEWS

## 10TH ANNUAL GRADUATE STUDENT RESEARCH CONFERENCE

The Department of Civil & Environmental Engineering had a successful Graduate Student Research Conference (GSRC) on Friday, April 22, in Patrick F. Taylor Hall. This was the first in-person GSRC event being held since the onset of the Covid-19 pandemic. Twenty-five students submitted abstracts, and 20 of those presented their research work to fellow students, faculty, visitors, and local experts.

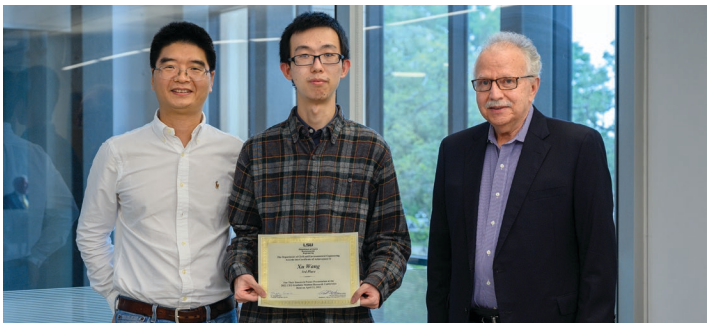


**FIRST PLACE**

Hossam Abohamer (Advisor: Dr. Mostafa Elseifi)
“A New Generation of Open-Graded Friction Course for Enhanced Durability and Functionality”

**THIRD PLACE**

Xu Wang (Advisor: Dr. Shengli Chen)
“A Graphical Method for Undrained Analysis of Cylindrical Cavity Expansion in Mohr-Coulomb Soil”



**SECOND PLACE**

Md Habibur Rahman (Advisor: Dr. Abu-Farsakh)
“The Use of Bayesian Analysis for Implementing the Specific Site Variability Into LRFD Design of Piles”

**HONORABLE MENTIONS:**

Reem Abo Znemah (Mechanics)

Md Manik Mia (Structures)

# LSU ASCE COMPETES AT GULF COAST STUDENT SYMPOSIUM

LSU's ASCE student chapter travelled to Auburn University from March 31-April 2 to compete in the first in-person student conference in three years! It was a year of firsts on many levels. The AISC Steel Bridge Competition returned to ASCE events for the first time in several years. Because of COVID, only a few members had ever been to an in-person ASCE regional event before. Furthermore, most of the student members were new to their competitions. Both Madalyn Mouton, captain of concrete canoe, and Alex Stapp, captain of surveying, competed for the first time this year and recruited new team members. Despite their youth and inexperience, the Tigers had a strong showing at Auburn, winning many accolades.

LSU competed in Concrete Canoe, Steel Bridge, Surveying, Hydraulics, Transportation, Lawn Darts, Professional Paper, T-Shirt, Tug of War, and the Mystery Event and made it to the podium in five separate events, coming away with fifth place overall.

The steel bridge team dominated its competition, sweeping first place in every major category, including Overall, Construction Speed, Lightness, Stiffness, Economy, Efficiency, and Cost Estimate! The rules for this season added several challenging design constraints, but the team responded creatively to create a wonderful product. The bridge uses a stacked girder design to maximize rigidity and minimize weight. It also features well-designed connections that allow for quick and easy construction. The build team members were Eli Barbin, Jake Wismans, Zillah Zoleta, and Keith Furr. The team was led by captain Barbin and co-captain David Fuller. The lead welder was Cody Harris.

The concrete canoe team showed up with a beautiful boat and placed fifth in the Men's Sprints and Men's Slalom and sixth in the Co-ed Sprints and Women's Slalom. The team was led by captain Mouton, and rowing members included Mouton, Joseph Lamendola, Mya Gildon, Nicholas Vu, and Myles Martin. The survey team was led by captain Stapp, and team members included Jordan Radford, Brennan Smith, Julie Lupoli, Luke Ory, Madison Carney, and Tony Gallagher. The transportation competition team won first place with members Nathalie Dante, Gallagher, Carney, and Stapp. The mystery event team won third with Harris, Hongjie Zhu, and Furr. The lawn darts team also won third place with captain Hannah DiLeo and members Fuller, Emily Rone, and Barbin. The third-place-winning t-shirt was modeled by Fuller.

Throughout the year, all the competition teams showed great spirit and camaraderie and frequently assisted each other when help was needed. The new captains and competitors now have a solid year of experience under their belts and are ready to tackle next year's competitions with even greater intensity! Geaux Tigers!

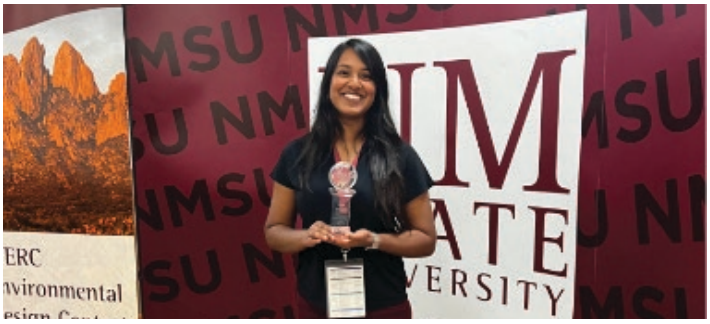
# LSU ENVIRONMENTAL ENGINEERING STUDENTS WIN 10 AWARDS AT THE 2022 WERC DESIGN CONTEST

LSU Environmental Engineering students participated in the 2022 WERC Design Competition in Las Cruces, New Mexico, from April 10-13, as part of their capstone design experience. They faced off against teams from Cal Poly-San Luis Obispo, University of Idaho, University of Colorado-Boulder, Michigan Tech, New Mexico State University, University of Tennessee-Chattanooga, Northern Arizona University and Ohio University. Six LSU teams competed in four tasks.

**Task 6 (Open Task Water Projects)**—LSU Team 20 entered two water-related projects in this open task, one designed to improve the resiliency of oil and gas tank batteries during severe storms and another designed to improve the settleability of sediments in marsh restoration projects. The tank battery project won the task and the prestigious Freeport-McMoran Advances in Sustainability Award. It's the third time LSU has won this award. The project addressed floating tank failure modes with an innovative cage structure, coupled with a living shoreline concept, to reduce wave action and absorb any released oil. Team members were Catherine Smith, Shane Seeger, Andre Benjamin, Carlie Turk, and Katie Buckentin. The marsh restoration project finished second in the task and won the best bench scale demonstration. Team members were Everett Craddock, Elizabeth Daigle, Trinity Sivec, Landry Callendar, and Ocean Gehrmann. This project utilized coagulants to settle high clay and silt slurries faster while assessing nutrient bioavailabilty with a novel flux meter.

*LSU Team 20, From left to right, Andre Benjamin, Jr., Carlie Turk, Katie Buckentin, Shane Seeger, and Catherine Smith.*

**Task 6 (Open Task-Other Media Projects)**—LSU Team 18 submitted a passive air sampler design to monitor semivolatile organics in New Orleans communities concerned about air toxics. Team 18 won first place in the task and were honored with a peer award based on voting by teams from the universities represented. Team members were Sarah Besson, Mahajebin Haque, Neil Holloway, Emma Irvin, Megan Nge, and Ainsley McGlynn. The project resulted in the design of an air sampler that can be deployed while protected from the rain and wind and can integrate air contaminants over several week-long sampling periods. To accomplish this task, the team worked with residents in the lower Ninth Ward in New Orleans, collaborating with Beth Butler from A Community Voice to make measurements of target and non-target contaminants in New Orleans, Baton Rouge, and Houma. Team members also interviewed community residents about their concerns. A suite of air toxics, including polycyclic aromatic hydrocarbons and benzene, were measured in air. In addition to the team awards, senior Mahajebin Haque won a Terry McManus Outstanding Student Award.



*Mahajebin Haque wins Terry McManus Award.*

**Task 2 (Carbon Conversion for the Energy Transition)**—LSU entered two teams in the carbon capture and utilization task. These teams were asked to design a method to convert CO2 into a usable product, specifically focused on the quantities of CO2 emitted by a typical gas-fired power plant. LSU Team 16 utilized an electrolyzer that could convert CO2 to formic acid (and other feedstock chemicals) and successfully demonstrated the design at the conference. The electrolyzer operates using a three-compartment design with an anode compartment, a center flow compartment containing a cation exchange media, and a cathode compartment where the electrochemical reduction of CO2 to formic acid occurs. This team finished first in the Bench Scale and won the second-place task award. University of Idaho won the task. The team consisted of Gloria Mullins, Eleanor Golson, Clint Craig, Brock Johnson, Jacob Rogers, Sarah Edwards, and William Tullis.

*LSU Team 16 wins Task 2 bench-scale awards.*

LSU Team 17 utilized the concept of mixing carbon dioxide into concrete to both convert the CO2 to calcium carbonate and sequester it in this mineral form. This has the added benefit of increasing concrete strength, even at percentages of 4% by weight for ready-mix concrete. In addition, the team utilized a novel CO2 absorbent, a metal-organic framework (MOF) synthesized from waste aluminum and PET plastic. Team 17 won the EPA Pollution Prevention Award selected by EPA personnel in attendance. The award cited the use of recycled materials to fabricate the MOF-reducing synthesis costs and establishing a clear use for PET plastic. This is the first time LSU has won this award. Team members were Emily Aldritt, Logan Durey, Anna Katherine Parker, Renee Cancienne, Josh Cashio, Joe Dupepe, and Bobby Ugwu-Dike.

*LSU Team 17 during bench-scale demonstration*

**Task 1 (Monitoring Viruses From MBRs)**—LSU Team 15, consisting of Lindsey Spears, Flannary Thompson, Greg Confer, Tessa Guillory, Juliette Ulfers, and Jordan Hollier, developed a method of detecting breakthrough of virus through a membrane bioreactor during water reuse. Tteam utilized pepper mold mottle virus (PMMoV), the most common virus detected in wastewater. PMMoV is a plant pathogen that has infected pepper plants around the world and shows up in the diet of all Americans. Breakthrough of this virus indicates that the MBR has failed. The team developed a LAMP-based detection method using primers they designed themselves and demonstrated the effectiveness of the detection method at the competition. The design also included automation to conduct this testing in an in-line mode. Team 15 competed well but came up short against teams from Cal-Poly and University of Colorado-Boulder in the task.

*LSU Team 15 visit Dona Ana wastewater plant.*

The teams would like to thank the contest sponsors, New Mexico Space Grant Consortium, El Paso Electric Company, Las Cruces Utilities, Freeport-McMoran, Arrowhead Center, EPA Office of Research, CDM Smith, Arrowhead Center, and X2NSat. The teams would also like to thank the New Mexico State University staff who have put on the competition for 32 years. LSU Civil and Environmental Engineering would like to thank local sponsors who have helped bring everyone to the competition over the past decade, regardless of the ability to pay. The 10 trophies from the 2022 teams double the most ever won at the competition. Congratulations to all of the environmental engineering seniors who competed in 2022, and best of luck in your future endeavors.

*LSU Team 19 wins best bench-scale demonstration in Task 6b.*

# HALL OF DISTINCTION

In 2001, the Department of Civil and Environmental Engineering (CEE) established a Hall of Distinction to recognize individuals who have made stalwart contributions to the profession. Candidates are carefully selected based on distinguished professional achievement and service to the civil and environmental engineering industries. Inductees will have made substantial impact in their field and to the Department of Civil and Environmental Engineering. In honoring these individuals, the department intends, through them, to recognize all those who have contributed to engineering excellence. For biographies on past inductees, visit http://www.lsu.edu/eng/cee/alumni/hall-of-distinction.php

**2022 INDUCTEES:**

**Elif Acar-Chiasson**

**Dr. Ganesh Thiagarajan**

## Elif Acar-Chiasson, PE - Executive Vice President of Talent and Innovation, CSRS

Elif Acar-Chiasson is a registered professional engineer with more than 30 years of progressive engineering, management, and leadership experience in complex civil, geotechnical, and geo-environmental projects. As an engineer, Chiasson has designed and led projects in an array of industries spanning from energy and chemicals to power generation, heavy manufacturing, multi-modal transportation, and defense. The depth of her technical and project delivery expertise, coupled with her experience in operations and passion in talent development, gives her the unique ability to respond to multiple stakeholder interests and needs.

Chiasson was born in Istanbul, Turkey. In 1988, after completing her undergraduate studies at the Bogazici University in Istanbul, she moved to Baton Rouge, Louisiana, to continue her graduate studies at LSU as a research assistant in the Department of Civil and Environmental Engineering. While she was accepted by several prestigious graduate programs across the United States, it was a particular research program involving design with geosynthetics conducted at LSU that influenced her decision to join the Forever LSU Family.

Currently, Chiasson serves as CSRS executive vice president of talent and innovation. In this role, she oversees the technical

practice areas of the firm and mentors many of CSRS' professionals. With her extensive industry knowledge, she creates the strategy and culture required for employees to experiment with the right resources at the right level to support their career progression. Chiasson is responsible for forecasting the dynamic changes on the markets, which are the result of the increasing competition and fast technical progress. True to CSRS' innovative character, she encourages staff at all levels to actively seek and create knowledge and to use it to enhance effectiveness and competitive advantage. In this role, she manages the innovation process by focusing on developing new, or changed, processes, solutions in the scope of marketing, as well as organizational methods. For all new company innovations and objectives, she employs and leads talented employees appropriately, including mentoring and professional development. Chiasson focuses on creating new ways to ensure knowledge is a smooth connection of acquired experience, values, context information, and expert approach to constitute the framework for the assessment and inclusion of new experiences and information.

At CSRS, Chiasson has also served in the roles of chief operating officer and executive vice president of project and program delivery. In these roles, she provided the leadership, management, and vision necessary to ensure that CSRS had the proper operational controls, administrative and reporting procedures, and people systems in place to effectively grow the organization and to ensure financial strength and operating efficiency. She also had the overall responsibility of driving execution and creating best practices for the firm's services. Under her leadership, CSRS developed and implemented state-of-the-art project controls and technology-enabled business systems facilitating effective communication of critical information in formats that allow managers to optimize financial performance during execution and the firm's leadership to make effective business-related decisions. Chiasson has achieved several significant accomplishments, including ground-up development of project tools such as project status reports, dynamic dashboards, estimate templates, and rolling forecasts. She also developed a start-to-finish project-tracking methodology that greatly enhanced the ability to efficiently monitor the status and financial health of all projects.

In the early days of her post-graduate professional career, Chiasson joined the IT Corporation, a national consulting firm where she had the opportunity to expand and grow her skills in geo-environmental and geotechnical engineering applications, primarily in the chemical and petrochemical industries. Subsequently, she joined Electrokinetics—a firm started by her late husband, Yalcin B. Acar, PhD, PE—in the Louisiana Business and Technology Center, the predecessor of LSU Innovation Park, to commercialize its advanced solutions to hazardous waste contamination using electrochemistry. Following the unexpected death of her husband, she took the leadership of the firm and continued to build a diverse client list that included both industrial and governmental agencies such as DOD, DOE, USACE, US Navy, EPA, and EPRI. Under her leadership, Electrokinetics completed two EPA Superfund Innovative Technology Evaluation program projects, and in 1996, it was awarded the Small Business Innovative Research Phase II Quality Award from DOD for its technical achievement and contributions to the US Army.

In 2002, Chiasson joined Shaw Environmental & Infrastructure Inc., where she served as project manager and, eventually, as the engineering business line manager for the Gulf Central District until 2013. In this role, she set the department's strategy and direction, provided functional leadership for the engineering team, managed resource optimization, and delegated resources to support project requirements, schedules, and department budget. During her 11-year tenure, Chiasson led and took part in engineering design and management of notable projects in Louisiana, such as the Inner Harbor Navigation Canal Hurricane Protection Project, which received ENR's Best of the Best 2011 Best Civil Works/Infrastructure Award, and the state-of-the-art AP-1000TM nuclear power plant module assembly facility in Lake Charles, Louisiana.

Chiasson hold a BS in Civil Engineering from Bogazici University in Istanbul, Turkey, and a M.Sc. in Civil Engineering from LSU.

## Ganesh Thiagarajan, PE, PhD

Dr. Ganesh Thiagarajan is a professor of civil engineering at the University of Missouri-Kansas City (UMKC) and is a proud graduate of LSU with a PhD from the Department of Civil and Environmental Engineering in 1996. He obtained his bachelor's and master's degrees in civil (1985) and structural engineering (1988) from the Indian Institute of Technology, Chennai, India. Subsequently, he worked in the industry for several years prior to starting a PhD at LSU. Thiagarajan had the pleasure of teaching at LSU full time until 2002, teaching several sophomore- and junior-level courses, such as statics, strength of materials, and dynamics to all engineering students. During his tenure at LSU, he was honored with several teaching awards, such as the Chi Epsilon Teaching Award, the Tiger Athletic Foundation Teaching Award, and the ASCE Student Chapter Outstanding Teaching Award.

Thiagarajan joined UMKC in 2002 as an assistant professor in structural engineering after spending a year as a postdoctoral fellow at the University of Illinois-Urbana Champaign. At UMKC, he was awarded the National Science Foundation's prestigious CAREER award in 2008 for his work in blast behavior of concrete structures. The work led to the conduction of a worldwide blind prediction contest in this area through the American Concrete Institute (ACI). Two special publications resulted from the competition. A team led by Thiagarajan was awarded first place in the International E Defense Blind Analysis Contest in predicting the seismic behavior of a multi-story steel structure (3-Dimensional Analysis by Researchers Category) (2008). The contest was conducted by the National Research Institute for Earth Science and Disaster Prevention, Hyogo Earthquake Engineering Research Center, in Japan. He has successfully completed collaborative projects with the Missouri Department of Transportation (MoDOT) to develop cost-effective bridge approach slabs and an innovative design of prestressed precast approach slabs. Both the designs were adopted by MoDOT for implementation. He is currently working on a bridge-load-rating project for MoDOT. At UMKC, he has been recognized for his research as a Faculty Scholar (2006) and with the N.T. Veatch Award (2021), several excellence in teaching awards at the school level, and the Chancellor's Excellence in Teaching Award (2022).

Thiagarajan has also worked for more than 15 years in biomechanical testing in bone mechanotransduction, studying how bone cells such as osteocytes respond to mechanical loading and their role in bone growth. The work has been funded by the Missouri Life Sciences Research Board, National Science Foundation, and National Institutes of Health. Other areas of research include biomechanical testing of knees, elbows, and other tissue from cadaveric specimens to study the biomechanical properties. Work in this area has been funded by the Kansas City Consortium on Musculoskeletal Disease.

Currently, Thiagarajan serves as an associate editor in the American Society of Civil Engineers Structural Engineering Journal and Materials Journal. He has served in the Missouri chapter of ACI for several years, culminating in being the chapter president. In recognition of the work in research and service in the field, he was elected to serve as the chair of ACI Committees 447 (Finite Element Analysis of Reinforced Concrete Structures) and 370 (Blast and Impact Load Effects) for two terms in each committee. He is also a fellow of ACI.

Also recognized at this year's Hall of Distinction were six outstanding graduating seniors—three from civil engineering and three from environmental engineering.

**Nathalie Dante – Civil Engineering Research and Service Award**

**Joshua Poirrier – Civil Engineering University Medalist Award**

**Nicholas Lynch – Civil Engineering Academic Achievement Award**

**Mahajabin Haque – Environmental Engineering University Medalist Award**

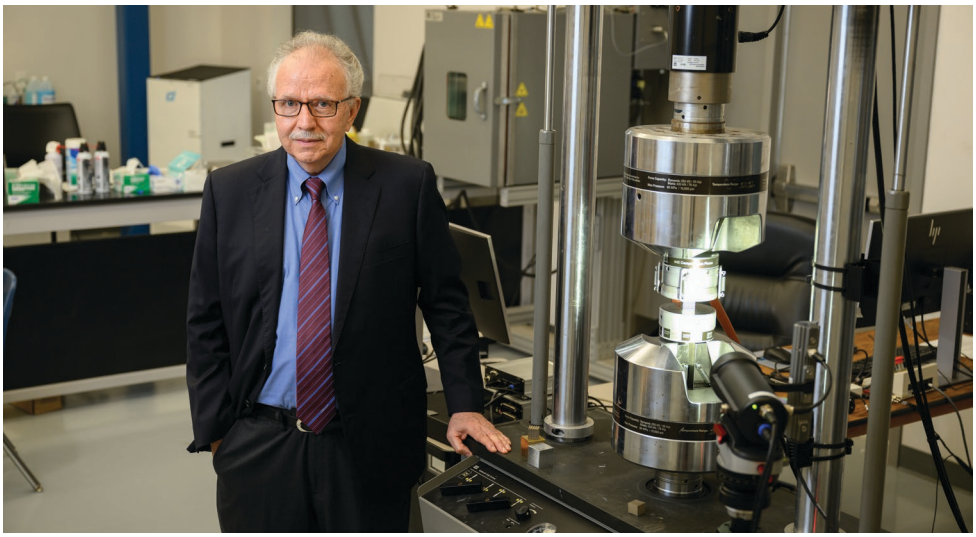
**Sarah Besson – Environmental Engineering University Medalist Award**

**Gloria Mullins – Environmental Engineering Academic Award**

# FACULTY NEWS

## CEE FACULTY AWARDS

### Voyiadjis Named the 2022 ASME Nadai Medalist



Boyd Professor and Chair of the LSU Department of Civil and Environmental Engineering George Z. Voyiadjis has been selected as the 2022 American Society of Mechanical Engineers Nadai Medalist for outstanding achievements in micro-mechanical characterization of plasticity and damage in materials and for pioneering contributions to multiscale modeling and localization problems.

The Nadai Medal is awarded in recognition of significant contributions and outstanding achievements that broaden the field of materials engineering. Such achievements may be, for example, in the areas of education, research, development, and service to the field and profession.

“This is a great honor for me, and I am extremely proud to be recognized by my peers in such a way,” Voyiadjis said. “This award represents a recognition way beyond anything I ever imagined as a student at Columbia University nearly 49 years ago.

“My experience in industry and my academic appointment in the US and overseas has allowed me to think in a more global sense and, at the same time, stay relevant to engineering applications in my research endeavors. That’s what keeps me grounded and gives me the ability to continue to do all of this work. Working with my students has been the catalyst of my success in my academic career. The importance of this interaction is to challenge them but also allow them to interact with you through the evolution of the research work.”

Voyiadjis is an expert in multi-scale modeling of size effects in materials with different methods of atomistic simulation and continuum-enhanced models, including gradient plasticity and gradient damage. His research activities of particular interest encompass macro- and micro-mechanical constitutive modeling, experimental procedures for quantification of crack densities, thermal effects, interfaces, failure, fracture, impact, and deflect nucleation and evolution in crystalline metals.

### About the Nadai Medal

The Nadai Medal was established in 1975 on the proposal of the ASME Materials Division to honor Arpad L. Nadai, who was a pioneer in the field of engineering materials, contributing particularly to the area of plasticity. His perspective also enabled him to give strong impetus to development in fatigue and high-temperature behavior.

## COLLEGE AWARDS

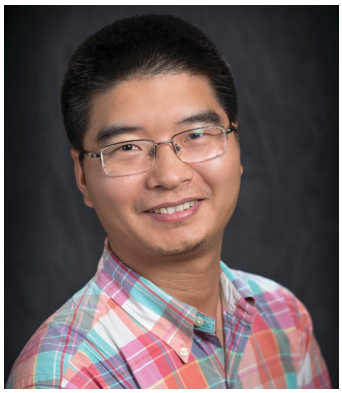
**Dr. Karim Elkholy** was honored with LSU College of Engineering Instructor Excellence Award that is given annually to faculty who make significant contributions to the early years of a student's journey through quality instruction in entry-level engineering courses. Early-year courses play a critical role in undergraduate retention and set the tone for our students' future success. This award gives the college the opportunity to recognize the unique contribution of its faculty.

**Dr. Sabarethinam Kameshwar** received the William A. Brookshire Award for Teaching Excellence. He is commended for his dedication towards student learning and the department's teaching needs. Although he faced challenges in teaching due to the COVID-19 pandemic in his very first year at LSU, he still achieved outstanding teaching evaluation scores for undergraduate and graduate courses. This success is due to his dedication to student success and implementation of new pedagogies

## DEPARTMENTAL AWARDS

**Dr. Sabarethinam Kameshwar** was awarded the CEE Educational Achievement Award. Kameshwar taught four courses (three undergraduate and one graduate) during CY 2021. His CY 2021 student evaluations, which are consistently above the department average, are commendable. He also advises 16 undergraduate students majoring in CE. At the graduate level, he is currently supervising three graduate students (two PhD and one MS).

The CEE Research Achievement Award was awarded to **Dr. Samuel Snow**. He recently obtained the prestigious NSF CAREER award for $535,000 over five years. He has been very instrumental in obtaining a total of four NSF/EPA grants totaling close to $1.5 million, which is outstanding by all counts. He is also building research collaborations with a number of faculty in CEE and the COE.



The CEE Departmental Service Award was awarded to **Dr. Shengli Chen**. He currently serves on the College Policy Committee. He is the coordinator for the Geotechnical Engineering program. Dr. Chen also chairs the CEGPC Committee. He is currently the Associate Editor of the SPE Journal (Society of Petroleum Engineers). He serves on many professional technical committees, such as the Engineering Mechanics Institute (EMI) Elasticity Committee-ASCE, Engineering Mechanics Institute (EMI) Poromechanics Committee-ASCE, and Geo-Institute (G-I) Deep Foundations Committee-ASCE. He is also a member of ASCE-EMI and ARMA. He is commended for that.

LSU | College of Engineering

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ADDRESS SERVICE
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# ALUMNI REGISTRATION & UPDATES

The Department of Civil & Environmental Engineering is always interested in how our alumni are doing. We hope you will take the time to send your updates to **young2@lsu.edu** or, if you prefer, you can "snail mail" them to:

**Department of Civil and Environmental Engineering**
**Louisiana State University**
**Attn: Tori Young**
**3255 Patrick F. Taylor Hall**
**Baton Rouge, LA 70803-6405**

Please include basic information, such as your full name, year of graduation, degree, mailing address, email address, telephone number, company, and your title/position. For your update, please include information on your recent professional and personal developments, along with a high-resolution photo, if available.

Thanks for staying in touch!

To connect with the LSU College of Engineering, please visit **lsu.edu/eng** and find us on Facebook at **facebook.com/LSUCEE** and Twitter at **twitter.com/LSU_CEE**.

**Visit the LSU ASCE website at lsu.edu/eng/CEE**