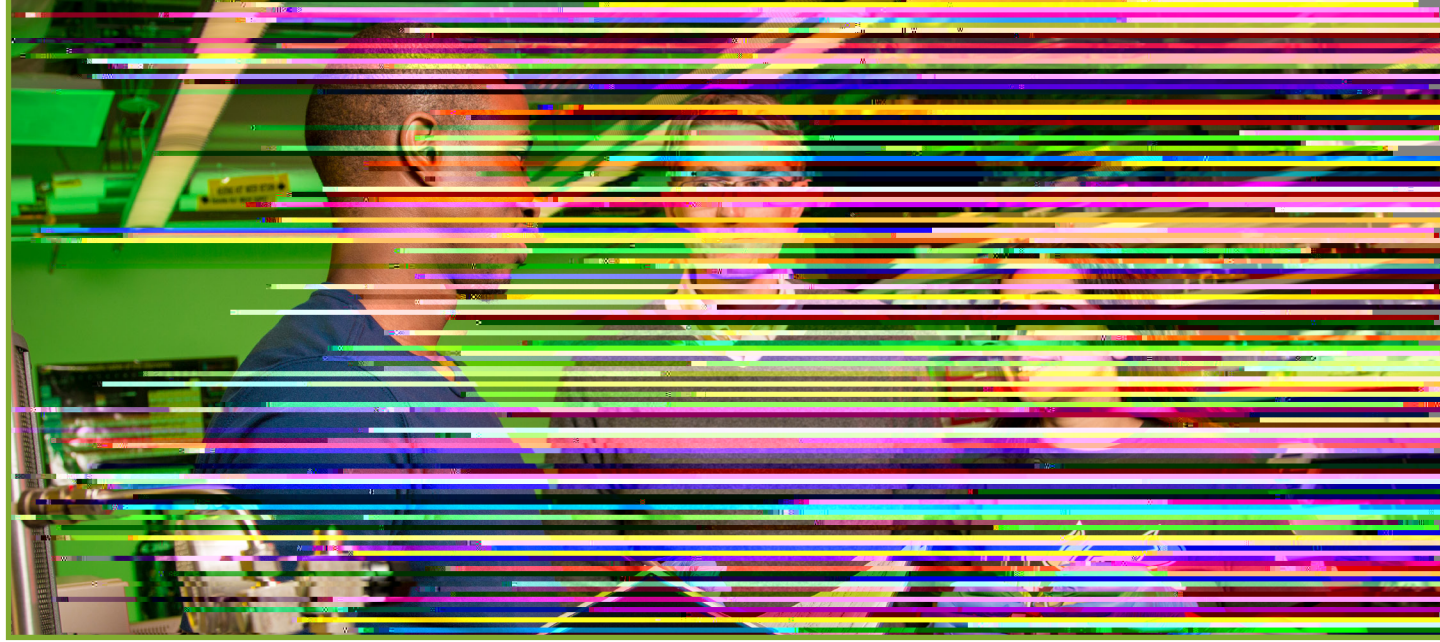


Professors Babu Joseph and John Kuhn were lauded for their efforts to advance their startup company, T2C-Energy LLC, which was awarded a U.S. Department of Energy Phase II SBIR grant in 2017 to convert landfill gas to liquid hydrocarbon fuels. This grant followed a successful DOE Phase I award and private investments. The patent for this conversion process was published in 2017. Last year, Professors Joseph and Kuhn were invited to deliver several talks at energy and waste conferences on this subject, and co-authored several peer-reviewed journal articles and a book chapter. Professor Kuhn was funded to participate in the National Science Foundation's I-CORPS program in 2017 and Professor Joseph d a71Fouholar18.2IIT/Bombay Last yea



Let me start by saying that it is
a tremendously exciting time

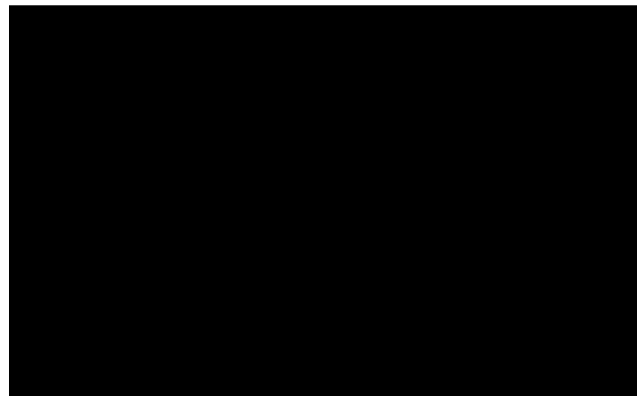


Dr. Ramon Gonzalez joins the department as a professor and Florida 21st Century World Class Scholar. Prior to joining USF, Dr. Gonzalez was a professor at Rice University where he led the Laboratory of Metabolic Engineering and Biomanufacturing, and was the founding director of the Advanced Biomanufacturing Initiative. From 2012 to 2015, Dr. Gonzalez served as a program director with the

CHEMICAL ENGINEERING EXPLOSION

Over the last decade, the department has seen record growth. Enrollments (declared Chemical Engineering undergraduates) have nearly doubled since 2013. The record setting Spring 2018 graduating class (116 students) celebrated their achievements with faculty at the World of Beer in Tampa.

DECLARED CHEMICAL ENGINEERING ENROLLMENT BY SEMESTER



FACULTY NEWS



Dr. Clifford L. Henderson, ChBME Dept. Chair, named 2018 AIChE Fellow and 2018 AAAS Fellow. Professor Henderson also received a 2018 USF Outstanding Faculty award.



Dr. Robert Frisina received a 2018 USF Outstanding Faculty award and was also elected a Senior Member of IEEE.



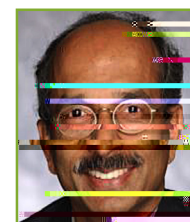
Dr. John Kuhn presented an invited talk at the 2018 FL AVS Meeting titled "*Carbon dioxide conversion by chemical looping using perovskite oxides.*" Professor Kuhn was also named a USF Global Faculty Fellow.



Dr. Chris Passaglia's research group published a new paper in TransVisSciTechnol. Titled "*Automated Method of Grading Vitreous Haze in Patients With Uveitis for Clinical Trials.*" His research group made the cover of the Journal of Neuroscience with their paper titled "*Autophosphorylated CaMKII Facilitates Spike Propagation in Rat Optic Nerve.*"



Dr. Sandra Pettit received the Distinguished Alumni Award at the College of Engineering's annual Engineering Honors event and was awarded a Student Success Award for Academic



Graduate student **Ram Kumar** won a very competitive student fellowship to

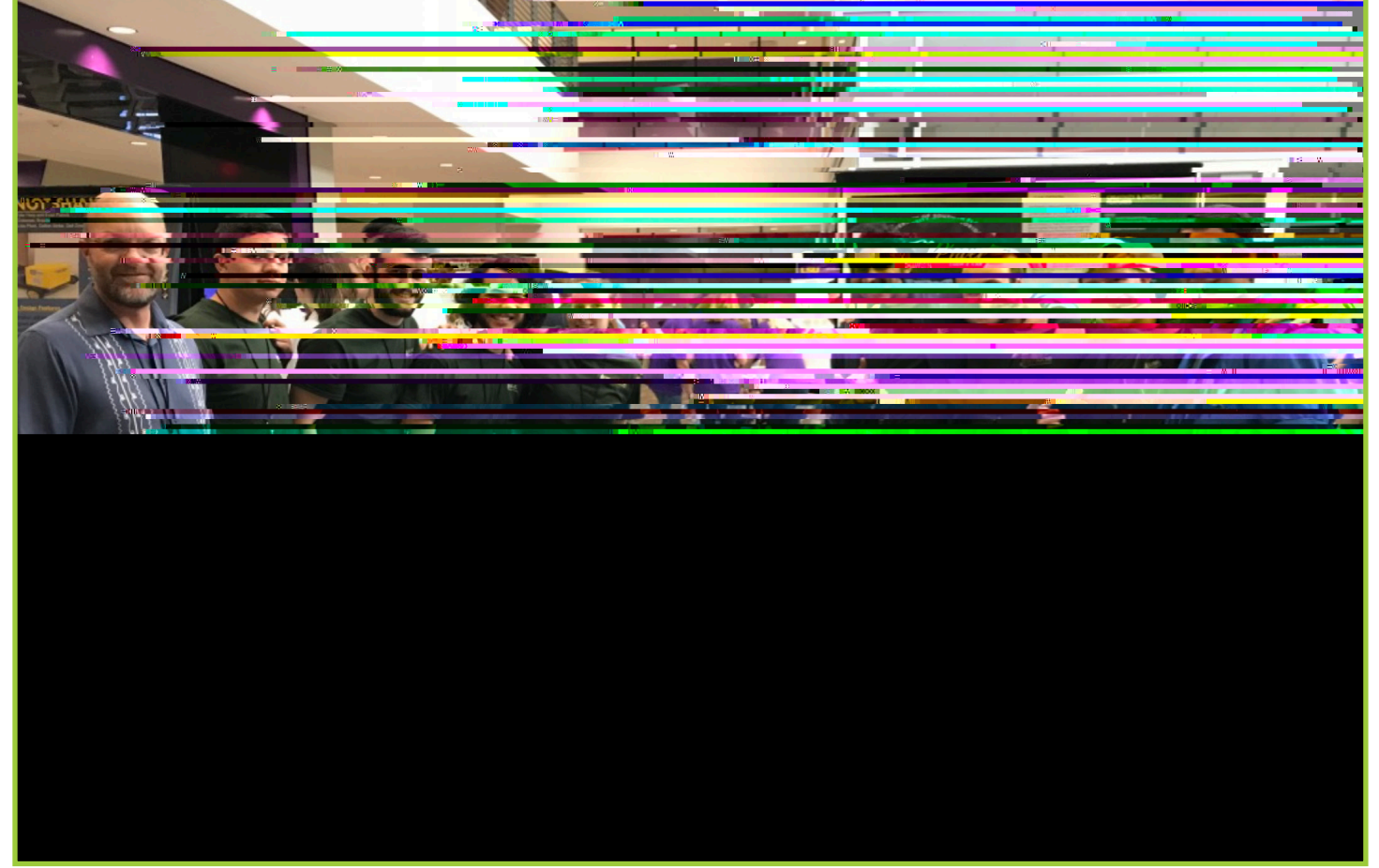
Graduate student, **Roger Tipton** was awarded a NASA FSGC fellowship.

Dr. Aydin Sunol and his students **Komal Rathore**, **Kyle Cogswell**, **Aaron Driscoll**, and collaborators were awarded the Best Presentation Award at the recent ICBWTB 2018 Conference.

Graduate student, **Brandon Lorentz** published the paper, "Characterization of Florida kaolin clays using multiple-technique approach" in Applied Clay Science with members of his research group. This work was also presented at the 9th Advances in Cement-Based Materials conference.

Drs. Norma Alcantar and Ryan Toomey were awarded supplemental funding for two graduate students for a Non-Academic Research Internship from NSF. **Tunan Peng** will be interning at Connectsix, and **Zeinab Veisi** will be at Catalent Pharma Solutions.

Cynthia Grim



Bryan Hare '16, MSCH '18], now a PhD student at Georgia Tech, was the recipient of the top poster award at the Southeastern Catalysis Society meeting for his USF master's thesis, "Artificially Engineered Durable Fe-Gr-Ze by perovskite oxides through in-situ resource utilization."



Department of Chemical & Biomedical Engineering
University of South Florida 4202 E Fowler Avenue, ENG 030
Tampa, FL 33620

Email: chbme@usf.edu
Telephone: 813-974-3997
Location: ENC 3400

www.usf.edu/engineering/chbme

[linkedin.com/in/usfchbme](https://www.linkedin.com/in/usfchbme)