

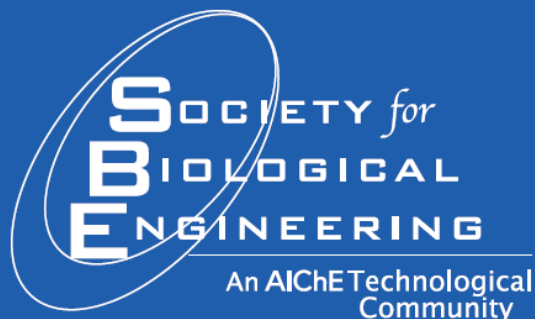
Technical Entities Department

Gabriel Levesque Tremblay, PhD, Manager



Various Technical Entities

4 Major Entities



Where to Find the Entities

AIChE Sites



AIChE

Academy

ChEnected

Conferences

Engage

Giving

Publications

CCPS

CEI

CIEE

DIPPR

IfS

RAPID

RE Society

SBE

More Technical Entities



Engineers Forum on Sustainability (EFS)

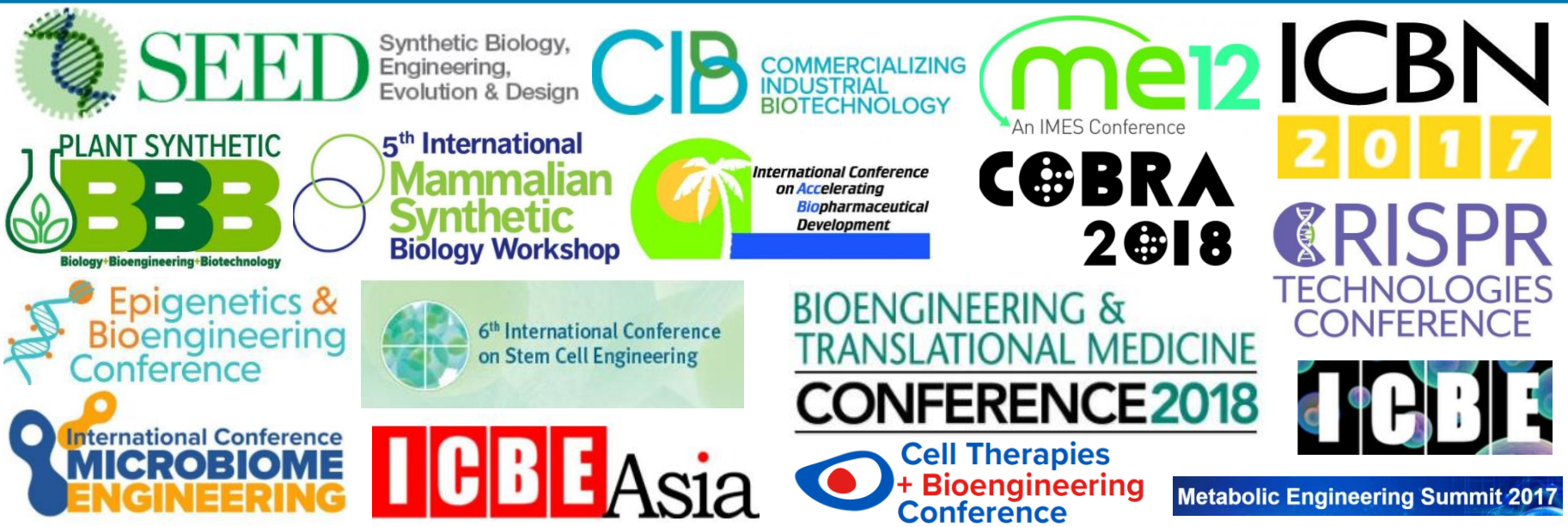
Sustainable Engineering Forum (SEF)

Technical Entities

Increasing Operation Internationally



Conferences



SEED Synthetic Biology, Engineering, Evolution & Design

CIB COMMERCIALIZING INDUSTRIAL BIOTECHNOLOGY

me12 An IMES Conference

ICBN 2017

BBB PLANT SYNTHETIC Biology • Bioengineering • Biotechnology

5th International Mammalian Synthetic Biology Workshop

COBRA 2018 International Conference on Accelerating Biopharmaceutical Development

RISPR TECHNOLOGIES CONFERENCE

Epigenetics & Bioengineering Conference

6th International Conference on Stem Cell Engineering

BIOENGINEERING & TRANSLATIONAL MEDICINE CONFERENCE 2018

ICBE

International Conference MICROBIOME ENGINEERING

ICBE Asia Cell Therapies + Bioengineering Conference

Metabolic Engineering Summit 2017

Society for Biological Engineering



CARBON MANAGEMENT TECHNOLOGY CONFERENCE

2018 NATURAL GAS UTILIZATION WORKSHOP

GLS 12 12th International Conference on Gas-liquid and Gas-liquid-Solid Reactor Engineering

NuClean CENTER OF EXCELLENCE AIChE Industry Technology Group

ACEME International Conference on Accelerated Carbonation for Environmental and Material Engineering

Alternative Natural Gas Applications Workshop

Center for Energy Initiative



SPS Innovations in Transforming Waste to Value-Added Products

PAN AMERICAN BIOFUELS AND BIOENERGY SUSTAINABILITY AN NSF RESEARCH COORDINATION NETWORK

Megacity Waste Management Dialogue: The NYC Roadmap for Waste as a Resource

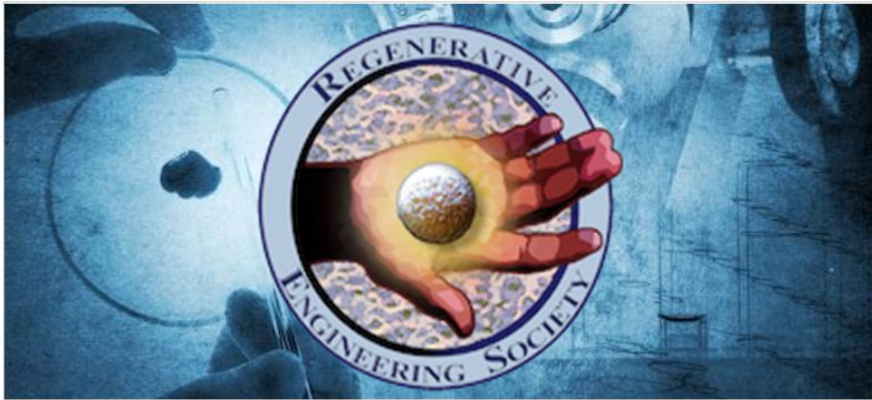
Industrial Water Use and Reuse Workshop

ICOSSE International Congress on Sustainability Science & Engineering

Institute for Sustainability

Re Society Case Study

Regenerative Engineering Society



Mission:

The mission of The Regenerative Engineering Society is to promote and advance regenerative engineering, a new field defined as the Convergence of Advanced Materials Sciences, Stem Cell Science, Physics, Developmental Biology and Clinical Translation for the regeneration of complex tissues and organ systems.

[Read more](#) | [See Leadership](#) | [2nd Rocks Stars Conference](#) | [Regenerative Engineering Symposium](#)

Become a Member of the Regenerative Engineering Society Today!

RE Society Membership



2nd Rock Stars of Regenerative Engineering

 **January 9, 2019** [Add to Calendar](#)

 [Mission Bay Conference Center at UCSF](#)

We are pleased to announce that the Regenerative Engineering Society of AIChE presents its 2nd Rock Stars of Regenerative Engineering Conference.

RE Society Membership

REGENERATIVE ENGINEERING SYMPOSIUM

Converging Engineering,
Life Sciences & Translational Medicine

 **October 27-28, 2018** [Add to Calendar](#)

 [Pittsburgh, PA](#)

We are pleased to announce that the Regenerative Engineering Society of AIChE presents this event that will cover a range of topics on regenerative engineering including Urological, Soft Tissue, Musculoskeletal, and Cardiovascular regenerative engineering.

The Unclassified Activities

Example: Food, Space & Hurricane Resiliencies



November 12-14

Hyatt Regency Houston, TX

Session Topics:

- Material Technologies
- Chemical Technologies
- Biological Technologies

Organizing Committee:

- Richard Russell, NASA, KSC
- Ben Roberts, Moon Express
- Grant Anderson, Paragon Space Development Corp.
- Raymond Wheeler, NASA
- Mark Blenner, Clemson University

Food Innovation and Engineering (FOODIE) Conference

December 2-4, 2018 Add to
Calendar

Napa Valley Marriott Hotel & Spa

Session Topics:

- Sustainability
- Health and Safety
- "Taste"

Organizing Committee:

- [David Block](#), University of California Davis
- [Kate Gawel](#), Campbell Soup Company
- [John Kaiser](#), Mars Wrigley Confectionery
- [Nitin Nitin](#), University of California Davis
- [José Aquilera, P.](#) Universidad Católica de Chile (PUC) in Santiago
- [Richard Hartel](#), University of Wisconsin-Madison
- [Jozef Kokini](#), Purdue University
- [Kathiravan Krishnamurthy](#), Illinois Institute of Technology
- [Holly Murphy](#), Mondelez International
- [Suresh D. Pillai](#), Texas A&M University
- [Michael Rinker](#), Pacific Northwest National Laboratory
- [Leslie Shar](#), University of Connecticut
- [David Weitz](#), Harvard University



Magazines, Peer Reviewed Journals



Newsletters

August 2017

Letter from the IMES Chair:

Dear IMES Membership,

We are excited to update you on the International Metabolic Engineering Society. Planning for the Metabolic Engineering 12 conference has already begun. The conference will take place on June 24-28th, 2018 at the Westin Grand Munich in Munich, Germany. Christoph Wittmann, from Saarland University and Oskar Zoller from IASG will be the chairs of this conference. We are very excited about the 12th edition of the premier conference on Metabolic Engineering and we hope to see you there.

In the fall of this year IMES will reward the most successful researcher a Metabolic Engineering

View this email in your browser:

Dear Scientists, Engineers, Clinicians, and Community Scientists,

We are excited to announce the Regenerative Engineering Society. The Regenerative Engineering Society (The RES) is a society that has been developed to promote and advance regenerative engineering, a field defined as the Convergence of Advanced Materials Science, Stem Cell Science, Physics, Developmental Biology and Clinical Translation for the regeneration of complex tissues and organ systems. The mission includes informing the public of the technical benefits of Regenerative Engineering, and promoting the realization of the benefits of this field through biomedical applications.

The Society held its first public event the "Stack Stars of Regenerative Engineering" conference on December, 2016 in Irvine, California. Sponsored by the National Science Foundation and the Regenerative Medicine Clinic, this conference was the first of its kind. A commitment to education and

Biotech News

Hot-This Implant Delivers Drugs Into Brain via Remote Control

AIChE Fellow Peter Lager's engineering team has created a tiny implant that is able to deliver medication deep into the brain via remote control. This technology allows pills and IV drugs to be placed into specific areas of the brain with precision and control. By inserting a hot thin needle into a brain region that is damaged by Parkinson's disease, researchers were able to remove the abnormal movement of Parkinson's in rats. Technological advances like this are instrumental for research in delivering neurological drugs to remote areas.

Source: The Aspen Times

Opportunities Linked to Insectal Microbiomes

A study conducted by Jolina Kaptein (University) reveals new evidence linking obesity and insulin resistance in humans to the microbial microbiome. The study highlights how gut bacteria may contribute to obesity by interacting with the central regulation of metabolic systems, showing using the role of TMA in metabolic systems. The study's authors further state, "All of our experiments imply that the bacterial source TMA regulates both host and microbial genes that play primarily unappreciated roles in energy metabolism leading to the development of metabolic syndrome in mice."

Source: Jolina Kaptein (University)

April 2018

Welcome to our newsletter! The Institute for Sustainability (IFS), in conjunction with the Sustainable Engineering Forum (SEF), Environmental Chemical (EMC) and the International Society for Water Solutions (ISWS), brings you this new comprehensive digest on topics relevant to these areas. We intend for the highlighted news, events and interesting stories to address your interests and professional needs in the expanding domains of environmental engineering, sustainability and water technology issues.

Managing Global Commons
 - A Purdue University research team has received funding for their proposal: [Managing Global Commons: Sustainable Agriculture and Use of](#)

Create-Your-Own Power
 - Engineers at the University of California San Diego, may have solved the re-usable power conundrum by developing a [biofuel cell](#) able to

- Student Chapters
- Workshops and Road mapping (roundtable)
 - Hurricane Infrastructure Resilience
 - Technical and Engineering Challenges of Addressing the United Nations Sustainable Development Goals
 - Synthetic Biology
 - Technology for Deep Space Travels
- Trainings
 - Credits & Certifications
 - Webinars
- Forum & Consortia

AIChE Grants

Typical Grants

- Conference Travel Grants
- Workshops/Roundtable/Road-mapping
- Training
 - On site
 - Online
 - Open Access
- Educations
 - Improving/Updating the Undergraduate Curriculum
- Institutes (ex: RAPID)
- Research:
 - Collaborations with Universities, National Labs, Institutes
 - Grant Administrators

Agency Specific Grants

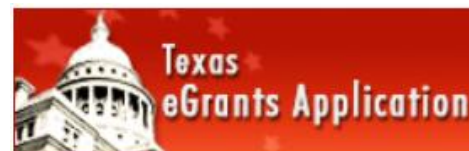
US Government



Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™



States Government



International



Contact me anytime!

Best is email!

Gabriel Levesque-Tremblay, Ph.D.

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