

# The 23rd Annual Colloquium on International Engineering Education

## Event Schedule

Wed, Oct 21, 2020

### Tech Check and Networking Time

🕒 9:30am - 10:00am, Oct 21

**Live Session** **Networking** **Tech**

Join us at this time to do one last tech check before the event and to network with other participants!

### Welcome Address

🕒 10:00am - 10:15am, Oct 21

**Live Session** **Opening Remarks / Debriefing Session**

Welcome to the 2020 ACIEE! Join us for this opening session where we will set the scene for our live virtual event and pique your interest with some of our program's highlights!

#### 🗣️ Speaker



**Sigrid Berka** Executive Director of the International Engineering Program / Professor of German, URI, International Engineering Program

#### 🗣️ Guest Speaker



**Sheryl Sorby** Professor of Engineering Education / President of ASEE, University of Cincinnati / ASEE

### Innovation, Entrepreneurship, Engineering Futures A

🕒 10:15am - 11:00am, Oct 21

**Concurrent Session** **Live Session**

In this session, we will present innovative ways on how to prepare students for the workforce and highlight best practices and challenges in developing successful entrepreneurship programs for international engineering students on university campuses. We will discuss how we teach an entrepreneurial mindset and connect international students with local stakeholders and businesses. In the wake of the current pandemic, we will also address how we can develop international programs that offer virtual and hybrid formats to allow for greater flexibility.

#### **Subtopics:**

Connecting International Students with Regional Stakeholders  
Building Entrepreneurial Ecosystems for Students & Researchers

#### 🗣️ Speakers



Katja Simons Executive Director of Campus OWL New York, Campus OWL



Peter Rosenbaum Executive Director of University Alliance Ruhr New York, University Alliance Ruhr

## Building and Sustaining International Engineering Programs A: Focus on Marketing

🕒 10:15am - 11:00am, Oct 21

Concurrent Session

Live Session

In this session, we will discuss how universities promote their programs around the world and how to use research conducted by one university to make programs' marketing materials more culturally sensitive. Also, we will explore the example of some lessons learned in a program from its development to delivery.

### Subtopics:

Understanding Factors Informing Decision-Making Processes of Engineering

Students Selecting Study Abroad Programs

Building & Sustaining International Engineering Programs: Strategic Steps, Funding, Marketing

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### 🗣️ Moderator



Amy Bass Henry Executive Director of International Education, Georgia Institute of Technology

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### 🗣️ Speakers



Homero Murzi Assistant Professor, Department of Engineering Education, Virginia Tech



Zuleka Dauda Doctoral Student, Planning Governance and Globalization Program, Virginia Tech



Jenna Garchar Assistant Director of Program Development, Global Experience Office, Northeastern University



Bala Maheswaran Professor, Northeastern University, Northeastern University

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## Best Practices for Managing International Programs During the COVID-19 Global Crisis A: Leadership Perspectives

🕒 10:15am - 11:00am, Oct 21

Concurrent Session

Live Session

In this session we will talk about best practices for managing international programs before, during, and after COVID-19. We will present the evolution of the 6th edition of the Standards of Good Practice for Education Abroad. Then we will discuss a global collaboration and exchange program held on-line this summer. In interactive breakout sessions we will explore four different models for international global

education and envision what a post-COVID model program would be like.

**Subtopics:**

Managing International Programs During the COVID-19 Global Crisis  
Envisioning the Future: Rethink Education Abroad

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🔊 **Speakers**



**Natalie A. Mello** Vice President for Programs, Services and Training, The Forum on Education Abroad



**Deborah Walter** Associate Professor of Electrical and Computer Engineering, Rose-Hulman Institute of Technology



**Ben Fleishman** Director of Student Programs, Engineering World Health



**Megan Lavery** Manager of Summer Institutes, Engineering World Health

**Break**

🕒 11:00am - 11:15am, Oct 21

**Break**

Time to stretch, grab some coffee and get ready for the next sessions

**Languages Across the Curriculum / Languages for Professional Purposes A**

🕒 11:15am - 12:00pm, Oct 21

**Concurrent Session**

**Live Session**

The presentations in this session discuss how foreign language courses can engage engineering and STEM students through a range of contents, topics, and activities, that intersect with, but may also offer alternative learning experiences to, coursework that focuses primarily on STEM. Such courses not only include content that is professionally relevant, such as the business aspects of engineering, but also intercultural communication, and more holistic course designs that are aligned with actual student needs.

**Subtopics:**

Languages for the Business Aspects of Engineering  
Communication and Culture: French and German Curricula to Prepare Global Engineers  
Foreign Languages at Institutes of Technology: Catering to Actual Student Needs

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🔊 **Moderator**



**Mark Rectanus** University Professor Emeritus of German, Iowa State University

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🔊 **Speakers**



**Lars Erickson** Professor of French / Director of the French International Engineering Program, University of Rhode Island



**Marc Rathmann** Senior Lecturer of German, School of Languages and Cultures, Purdue University



**Ana Peña** Lecturer in French, Purdue University



**Sandra McGury** Postdoctoral Fellow / Program for International Teaching Cooperation , Georgia Institute of Technology / Braunschweig University of Technology

## Research in International Engineering Education A

🕒 11:15am - 12:00pm, Oct 21

Concurrent Session

Live Session

Developing global engineering programs involves making a variety of design decisions that may influence students' experiences. This session presents two research studies of how engineering students experience global programs. The first study explores students' experiences across a variety of programs and the second is an in-depth case study of a single program. Join us to learn more about student experiences in global engineering programs and identify best practices based on the results of these studies.

### Subtopics:

Exploring Critical Incidents in Global Engineering Programs

Global Engineering and the Social Context: Lessons Learned from Our First International Trips to Germany and Kenya

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### 🗣 Moderator



**Brent Jesiek** Associate Professor of Engineering Education and Electrical / Computer Engineering, Purdue University

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### 🗣 Speakers



**Kirsten Davis** Assistant Professor of Engineering Education, Purdue University



**David B. Knight** Associate Professor, Department of Engineering Education / Director of Research Academy of Global Engineering., Virginia Tech



John Aidoo Professor, Rose-Hulman Institute of Technology



Kyle Kershaw Associate Professor of Civil Engineering, Rose-Hulman Institute of Technology

### Break

🕒 12:00pm - 12:15pm, Oct 21

Break

### Keynote 1: Reinventing the Toilet

🕒 12:15pm - 12:45pm, Oct 21

Keynote / Special Address Live Session Will Be Recorded

Keynote 1: Reinventing the Toilet

This keynote will first discuss the global need for distributed sanitation (i.e., the need for a reinvented toilet) focusing on the context of the developing world. Next, an overview of the Generation II Reinvented Toilet (G2RT) program will be presented detailing why an interdisciplinary, international, and inter-sector (i.e., spanning academia, industry, and national lab) collaboration is key. Finally, a specific anecdote will be shared highlighting one of the team member's engineering education journey.

#### 👤 Featured Speaker



Shannon Yee Associate Professor of Mechanical Engineering, G.W.W. School of Mechanical Engineering, Georgia Institute of Technology

#### 👤 Introduction of Keynote



Thomas Boving Professor of Civil and Environmental Engineering / Geosciences, University of Rhode Island

### Networking Lunch: International Cafe Sessions

🕒 12:45pm - 1:45pm, Oct 21

Live Session Networking

Connect with others through international cafe discussions on a variety of themes. Bounce around or stick with the same theme - your choice!

The International Cafes allow for small-group exchanges with experts leading each IC table. Participants will benefit from their strategies and best practices related to various highly relevant topics.

#### 5 Subsessions

- International Cafe 1: Institutionalizing Global Internships

🕒 12:45pm - 1:45pm, Oct 21

- International Cafe 2: Diversity, Equity and Inclusion in International Engineering Education and Related Strategic Recruiting Efforts

🕒 12:45pm - 1:45pm, Oct 21

- **International Cafe 3: Writing Successful Grants Integrating the Humanities with International Engineering**

🕒 12:45pm - 1:45pm, Oct 21

- **International Cafe 4: How Does Building Design Inspire Innovation? Engineering the Fascitelli Center for Advanced Engineering at URI**

🕒 12:45pm - 1:45pm, Oct 21

- **International Cafe 5: The Power of Alumni Support**

🕒 12:45pm - 1:45pm, Oct 21

### Break

🕒 1:45pm - 2:00pm, Oct 21

Break

### Intercultural Competency Development / Assessment

🕒 2:00pm - 2:45pm, Oct 21

Concurrent Session

Live Session

In this session, we will begin by discussing the dimensions of culture, the development of cross-cultural competence and communication, along with challenges and evaluation procedures. Then, we will discuss changes in students' developmental orientation pre- and post-study abroad experiences, based on data from URI International Engineering Program students.

#### Subtopics:

Cross-cultural Competences for Engineers: Challenges and Evaluation Procedures

Assessing Changes in Developmental Orientation Before, and After Long- and Short-Term Study & Internship Abroad

#### 🗣️ Speakers



**Christoph Merkelbach** Executive Director, Language Resource Center / Director, Center of Cross-Cultural Competence, Technische Universität Darmstadt



**Iñaki Pérez-Ibáñez** Assistant Professor of Spanish / Second Language Teaching Methodology / Director of the Spanish International Engineering Program, University of Rhode Island

### Curriculum Design in International STEM Undergraduate Programs with Strong Language Focus

🕒 2:00pm - 2:45pm, Oct 21

Concurrent Session

Live Session

This session provides an overview of the international dual degree concept, reviewing different types, the benefits, and challenges of these programs. First we will discuss the University of Virginia's (UVA) Engineering in Valencia international program, a semester-length study abroad experience where engineering students can strengthen their Spanish language skills, adapt to new environments, collaborate with people from other cultures and gain new perspectives. The program design and approach underwent a number of challenges before successfully integrating engineering curriculum with language learning and cultural immersion. Next, curriculum will be shared of a bidirectional dual degree program in Biology and Geology between Northern Arizona University (NAU) and the University of Bordeaux, which can be applied to engineering degrees as well.

#### Subtopics:

UVA Engineering in Valencia: Addressing the Challenges of Semester-Length Study Abroad While Retaining Strong Language and Cultural Immersion  
Dual Degree Programs at the Undergraduate Level as a New Frontier in International STEM Education

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#### 🔊 Speakers



**Maya Laurinaitis Drake** Engineering International Programs Advisor & General Instructional Faculty, University of Virginia School of Engineering and Applied Science Full-time



**Melissa Armstrong** Director, Interdisciplinary Global Programs, Northern Arizona University

### Building and Sustaining International Engineering Programs B: First Steps A

🕒 2:00pm - 2:45pm, Oct 21

Concurrent Session

Live Session

Developing and sustaining strong and well received faculty led study abroad requires strategic thinking and long term commitment. Colleagues from the University of Tennessee will discuss program development from idea and location generation through recruiting students and engaging alumni across a portfolio of programs. The team from the University of Minnesota will focus on one specific faculty led program in Tanzania, and the efforts made to sustain the program over a long period of time.

#### Subtopics:

Strategies for Developing Sustainable and Successful Faculty-Led Study Abroad Programs  
Design for Life: Engineering Initiatives in Tanzania

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#### 🔊 Speakers



**Kevin Kit** Director of the Cook Grand Challenge Honors Program / Associate Professor of Materials Science and Engineering / Co-director, Grand Challenge Scholars Program, University of Tennessee



**Ozlem Kilic** Associate Dean of Academic and Student Affairs, Tickle College of Engineering, University of Tennessee



**Michael Berry** Director, Engineering in London Study Abroad Program / Professor, Department of Electrical Engineering and Computer Science / Professor, Department of Mathematics, University of Tennessee



**Adam Pagel** International Programs Director, College of Science and Engineering, University of Minnesota



**Paul Strykowski** Professor of Mechanical Engineering / Associate Dean for Undergraduate Programs, College of

### Asynchronous Day Debrief

🕒 2:45pm - 3:00pm, Oct 21

**Asynchronous** **Opening Remarks / Debriefing Session**

Take some time to share with us your memorable moments from the day through the Community Board [here](#) in our ACIEE Conference Hub! You can also fill out any session feedback surveys related to the sessions that you attended today [here](#).

## Thu, Oct 22, 2020

### Welcome Back and Reflection on Previous Day

🕒 9:45am - 10:00am, Oct 22

**Live Session** **Opening Remarks / Debriefing Session**

Start the day off right - Join the ACIEE hosts in a shared reflection on Day 1 Colloquium events and lessons learned, and get a snapshot of upcoming highlights!

#### 🗣️ Speaker



**Sigrid Berka** Executive Director of the International Engineering Program / Professor of German, URI, International Engineering Program

### Innovative Models to Enhance and Articulate Global Competencies Acquired Abroad

🕒 10:00am - 10:45am, Oct 22

**Concurrent Session** **Live Session**

In this session we will discuss the purpose of post-study abroad programming and the "unpacking" process, as well as the value of intercultural competency development and strategic framing of study abroad experiences following a student's return and beyond graduation.

#### **Subtopics:**

Post-Study Abroad Experience Design and Intervention

What Assessments and/or Instruments Support a Good Post-SA Experience

#### 🗣️ Speakers



**Kacy Peckenpaugh** Associate Professor of German / French, Weber State University



**Patrick Tunno** Assistant Teaching Professor / Director, Global Engineering Engagement / Ph.D. Candidate, Workforce Education and Development Program, Pennsylvania State University

### Innovation, Entrepreneurship, Engineering Futures B

🕒 10:00am - 10:45am, Oct 22

**Concurrent Session** **Live Session**



We will begin by discussing the skills gap between academic programs and job readiness, then brainstorm how to create new learning environments that engage students and build future-proof skills and competencies.

Next we will examine Hochschule Osnabrück's Dual Studies of Polymer Engineering program in the context of the German higher education system, along with the benefits and challenges of a dual study program. Lastly, we will delve into the concept of adaptive challenges and social innovation as adaptive work.

**Subtopics:**

The Skills Paradigm

Dual Study Programs in Germany: Best Practice in Polymer Engineering

If You Want to Go Far, Go Together

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🔍 **Speakers**



**Christian Pongratz** Senior Advisor to the Provost, New York Institute of Technology



**Mandy Bratton** Executive Director, Center for Global Sustainable Development/Director, Changemaker Institute, University of California, San Diego



**Svea Peterson** Professor of Chemistry and Surface Modification of Polymeric Biomaterials, School of Engineering and Computer Science, Hochschule Osnabrück University of Applied Sciences

**Building and Sustaining International Engineering Programs B: First Steps B**

🕒 10:00am - 10:45am, Oct 22

🔥 **Concurrent Session**

📺 **Live Session**

The presenters will discuss steps taken at private and public institutions (University of St. Thomas and Kennesaw State University) in creating International Engineering Programs with German – from the early planning stages to sending the first cohort abroad. The IEP at UST is a 5-year, dual-degree undergraduate program; the grant-funded initiative at KSU is exploring alternative models for academic and industry partnerships, both locally and in Germany.

**Subtopics:**

Successes and Challenges Building an International Engineering Program

Internationalizing Engineering: First Steps at a Public R2 University

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🔍 **Speakers**



**Susanne Wagner** Associate Professor of German / Director, German Program / Director, International Engineering Program, University of St. Thomas



**Shane Peterson** Assistant Professor of German Studies, Kennesaw State University



**Sabine Smith** Professor of German / German Studies Program Coordinator, Kennesaw State University



**Bill Diong** Professor of Electrical Engineering / Associate Vice-President for Research, Kennesaw State University

### Guided Mindfulness Break A

🕒 10:45am - 11:00am, Oct 22

**Break** **Live Session**

During this special break, please join us for 15-minute guided mindfulness exercise in our Main Conference Room. Feel free to turn off your video stream, close your eyes and listen in while you ground yourself in this moment, before jumping back into the rest of the day's events.

#### 👤 Facilitator



**Sarah Miller** Assistant Director of Experiential Education, Center for Career & Experiential Education, University of Rhode Island

### Global Learning at Home: International Engineering Education Without Leaving Campus

🕒 11:00am - 11:45am, Oct 22

**Concurrent Session** **Live Session**

Given the difficulties and expenses of international travel, this panel looks at ways to deliver collaborative global content online. Featuring two presentations from Germany and one from the United States covering five programs in total, these contributions focus on professionalization, language acquisition, and collaboration for engineers. Each presentation will provide at least one example of an online global program, discussing the challenges, solutions, and lessons learned for globalizing online learning.

#### **Subtopics:**

DigitalMobil@FH Bielefeld

Online Experiences to Build Global Engineering Competencies

Internationalization Activities in Engineering Education

#### 👤 Speakers



**Mariam Dopslaf** Professor of Technical Service Engineering Management / International Coordinator, FH Bielefeld University of Applied Sciences



**Kristen Koopman** Graduate Assistant for Programs in the Global Engineering Education and Research Office / Ph.D. Candidate in Science and Technology Studies, Virginia Tech



**Laura Schiffmann** Ruhr University Bochum

## Languages Across the Curriculum / Languages for Professional Purposes B

🕒 11:00am - 11:45am, Oct 22

Concurrent Session

Live Session

This session focuses on LSP programs at two different institutions: Iowa State University and Purdue University. The presentations discuss program development and student recruitment, experiential learning, and STEM programming across various languages.

### Subtopics:

Languages and Cultures for Professions (LCP) at Iowa State University: Best Practices for Developing and Sustaining a Program in Languages for Special Purposes (LSP)  
When Russian and Spanish Met STEM

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### 🔙 Speakers



**Chad Gasta** Professor of Spanish / Chair, Department of World Languages and Cultures / Director, International Studies / Co-Director of the LCP Program, Iowa State University



**Megan Myers** Associate Professor of Spanish / Co-Director, Languages and Cultures for the Professions Program, Iowa State University



**Olga Lyanda-Geller** Senior Lecturer, PhD, School of Languages and Cultures, Purdue University



**Cecilia Tenorio** Senior Lecturer of Spanish for Specific Purposes and Translation, Purdue University



**Gabriel Rios-Rojas** Electrical Engineer / Lecturer of Spanish for Engineering and Technology, School of Languages and Cultures, Purdue University

### Break

🕒 11:45am - 12:00pm, Oct 22

Break

### Keynote 2: Future Skills, Future Leaders

🕒 12:00pm - 12:30pm, Oct 22

Keynote / Special Address

Live Session

Will Be Recorded

Keynote 2: Future Skills, Future Leaders

The current situation has transformed the issues of digital change and its effects on organizations in one fell swoop from a “nice-to-have” to a “must-have” scenario. To meet these challenges, companies need leaders who have the skills to shape the future. What are those skills that are required for tomorrow’s world of work?

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### 🔙 Introduction of Keynote



Jeannette E. Riley Dean of the College of Arts and Sciences / Professor of English, University of Rhode Island

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Speaker



Anna-Maria Karl Director, Executive Search at Kienbaum Consultants International GmbH, Kienbaum Consultants International GmbH

### Networking Lunch: Poster Session

🕒 12:30pm - 1:15pm, Oct 22

**Live Session** **Networking**

Interact with poster presenters live in small group sessions!

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#### 19 Subsessions

- **Intern Abroad HQ - Remote & Abroad Opportunities Across 150 Destinations & 27 Career Fields**  
🕒 12:30pm - 1:15pm, Oct 22
- **Global Engineering and the Social Context: Lessons Learned from Our First International Trips to Germany and Kenya**  
🕒 12:30pm - 1:15pm, Oct 22
- **Development of a Research and Educational Platform for Collaborative Robotics**  
🕒 12:30pm - 1:15pm, Oct 22
- **TU Braunschweig Summer Research Program**  
🕒 12:30pm - 1:15pm, Oct 22
- **Global Learning at Home: International Engineering Education Without Leaving Campus (Cultural Vistas)**  
🕒 12:30pm - 1:15pm, Oct 22
- **Critical Language Study for the Future of Engineering**  
🕒 12:30pm - 1:15pm, Oct 22
- **OST Ostschweizer Fachhochschule - Strategically Linking Student Learning in Industrial Engineering to the Business World**  
🕒 12:30pm - 1:15pm, Oct 22
- **An Outline of Intercultural Competencies: Circumnavigating the World of Imminent Cultural Encounters**  
🕒 12:30pm - 1:15pm, Oct 22
- **Building a Sustainable Future - Integrating the UN's Sustainable Development Goals into Global Engineering Programs**  
🕒 12:30pm - 1:15pm, Oct 22
- **Engineering Infinity for the New Millennium - The Future Starts Today**  
🕒 12:30pm - 1:15pm, Oct 22
- **Virtual Exchange as a Strategy: Gazelle International's CLICK Program - Collaborative Learning for International Capabilities and Knowledge**  
🕒 12:30pm - 1:15pm, Oct 22

- **Valparaiso International Engineering Program Alum (Civil / French) Poster - Grace Jackson**  
🕒 12:30pm - 1:15pm, Oct 22
- **University of Cincinnati International Co-Op Program (Biomedical / Japanese) Student Poster - Ian Campbell**  
🕒 12:30pm - 1:15pm, Oct 22
- **Purdue GEARE Program (Aeronautical & Astronautical EGR / French) Student Poster - Roy S. Ramírez**  
🕒 12:30pm - 1:15pm, Oct 22
- **Purdue Global Engineering Ambassador Student Poster - Emily Dolny**  
🕒 12:30pm - 1:15pm, Oct 22
- **Georgia Tech International Plan Alumna (Biomedical / German) Poster - Elisa Schrader Echeverri**  
🕒 12:30pm - 1:15pm, Oct 22
- **Iowa State Summer Internship in France (Chemical / French) Student Poster - James Trettin**  
🕒 12:30pm - 1:15pm, Oct 22
- **URI International Engineering Program (Ocean / French) Student Poster - Nina Choquette**  
🕒 12:30pm - 1:15pm, Oct 22
- **URI International Engineering Program (Ocean / German) Student Poster - Rebecca Meyers**  
🕒 12:30pm - 1:15pm, Oct 22

### Research in International Engineering Education B

🕒 1:15pm - 2:00pm, Oct 22

Concurrent Session

Live Session

This research in international engineering education session covers two projects looking at global programs from unique perspectives. In the first project, we explore the expectations and experiences of leaders managing short study abroad programs, while the second project discusses the use of mobile learning to promote global engineering education.

#### Subtopics:

Expectations and Experiences of Short-Term Study Abroad Leadership Teams  
Globalizing of Engineering Education Through Mobile Learning

#### 👤 Moderator



**Brent Jesiek** Associate Professor of Engineering Education and Electrical / Computer Engineering, Purdue University

#### 👤 Speakers



**David B. Knight** Associate Professor, Department of Engineering Education / Director of Research Academy of Global Engineering, Virginia Tech



**Kirsten Davis** Assistant Professor of Engineering Education, Purdue University



**James Davis** Assistant Professor, Department of Electrical and Computer Engineering, Purdue University



**Eunice Ofori** Instructional Designer, Learning Experience Design (TLOS), Virginia Tech



**Ramon Benitez** Ph.D. Candidate in Engineering Education, Virginia Tech



**Natasha Watts** Associate Director of Online Learning, College of Engineering - VT Engineering Online, Virginia Tech



**Glenda Scales** Associate Dean of Global Engagement / Chief Technology Officer / Director of Engineering Online, Virginia Tech

## Languages Across the Curriculum / Languages for Professional Purposes C

🕒 1:15pm - 2:00pm, Oct 22

**Concurrent Session**

**Live Session**

### 🗣️ Speakers



**Xenia Fischer-Loock** Lecturer of German as a Foreign Language / Coordinator of International Summer Courses, Technische Universität Braunschweig / Max Kade



**Karen Fleischhauer** Instructor of English and German as a Foreign Language and Second Language, Language Resource Center, Technische Universität Darmstadt



**Niko Tracksdorf** Assistant Professor of German / Associate Director of the German International Engineering Program, University of Rhode Island



**Steffen Kaupp** Director of Language Programs, Goethe-Institut Boston

## Best Practices for Managing International Programs During the COVID-19 Global Crisis B: Program Adjustments to the Crisis

🕒 1:15pm - 2:00pm, Oct 22

Concurrent Session

Live Session

In this session participants can learn about innovative strategies universities have used to adjust management of their international programs to the COVID-19 crisis. In particular, adjustments to a joint degree institute with co-op in China, a dual degree international engineering program with year-long studying & interning abroad, and a global engineering course with integrated short-term study abroad will be presented. Using interactive tools, presenters also hope to learn from participants about strategies implemented on your own campuses.

### Subtopics:

Being Flexible, Resolute, and Positive: How a US-China Engineering Program Survived the COVID-19 Crisis  
Responding to the Challenges of COVID-19: Lessons Learned by a Short-Term Study Abroad Program  
International Engineering Program Adjustment Strategies to Covid-19

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### 🗣️ Speakers



**Thomas Huston** Professor, Mechanical and Materials Engineering / Co-Dean of the UC - Chongqing University Joint Co-op Institute, University of Cincinnati



**Hong Cheng** Global Services Librarian/Science and Engineering Librarian, University of Cincinnati



**Homero Murzi** Assistant Professor, Department of Engineering Education, Virginia Tech



**Sigrid Berka** Executive Director of the International Engineering Program / Professor of German, URI, International Engineering Program



**Michelangelo Luna** Professor of Italian / Director of the Italian International Engineering Program, University of Rhode Island

### Break

🕒 2:00pm - 2:15pm, Oct 22

Break

### Special Address: Germany's Response to COVID-19 and Matters of International Relations

🕒 2:15pm - 2:45pm, Oct 22

Keynote / Special Address

Live Session

Will Be Recorded

Special Address: Germany's Response to COVID-19 and Matters of International Relations

*Nicole Menzenbach, Consul General of Germany to New England*

*Introduction: Gifty Ako-Adounvo, Vice Provost for Global Initiatives,*

### 📌 Introduction of Special Address



**Gifty Ako-Adounvo** Vice Provost for Global Initiatives, University of Rhode Island

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### 📌 Speaker



**Nicole Menzenbach** Consul General of Germany to New England, Consulate General of the Federal Republic of Germany

## Asynchronous Day Debrief

🕒 2:45pm - 3:00pm, Oct 22

**Asynchronous** **Opening Remarks / Debriefing Session**

Take some time to share with us your memorable moments from the day through the Community Board [here](#) in our ACIEE Conference Hub! You can also fill out any session feedback surveys related to the sessions that you attended today [here](#).

Fri, Oct 23, 2020

## Building and Sustaining International Engineering Programs C: Strategic Planning

🕒 10:00am - 10:45am, Oct 23

**Concurrent Session** **Live Session**

Leadership responsibilities in running global engineering programs shift over the course of the program lifetime. This session will address both ends of the spectrum through two presentations: one focusing on the early stages of designing a research abroad program and one describing the transition process as a long-standing program shifted to new leadership. Join us to learn more about best practices in building and managing global programs across their lifespan.

### Subtopics:

Programmatic Decisions in International Research Programs  
Building a Sustainable Program Framework in Times of Transition

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### 📌 Speakers



**Kirsten Davis** Assistant Professor of Engineering Education, Purdue University



**David B. Knight** Associate Professor, Department of Engineering Education / Director of Research Academy of Global Engineering., Virginia Tech





**Nicole Sanderlin** Director of Global Engagement, College of Engineering / Co-Director, Academy for Global Engineering, Virginia Tech



**Chris Cooper** Associate Professor, Division of Experience-Based Learning and Career Education, University of Cincinnati

## Best Practices for Managing International Programs During the COVID-19 Global Crisis C: Going Virtual

🕒 10:00am - 10:45am, Oct 23

Concurrent Session

Live Session

This session will discuss the process for determining the closure and reopening of previous, current and future global programming locations during COVID-19. Presenters will discuss education abroad program models adapting to a virtual format, types of virtual programming, and the potential of domestic travel programs. Audience members will have the opportunity to brainstorm and workshop ideas for adapting their travel-based programming to new formats during COVID-19 and discuss logistics and precautions for making decisions for future travel.

### Subtopics:

Managing in Turbulent Times- COVID-19's Impact on Global Higher Education and International Programs

Studying Abroad from Home: Adapting Global Engineering Programs to Digital Format in COVID-19  
International Education in a World Without Travel

### 👤 Speakers



**Dan Bumblauskas** Universities of Northern Iowa & Missouri



**Megan Swanick** Director of University Partnerships, The GREEN Program



**Keenan Toure** Program Coordinator, Cultural Vistas

## Guided Mindfulness Break B

🕒 10:45am - 11:00am, Oct 23

Break

Live Session

During this special break, please join us for 15-minute guided mindfulness exercise in our Main Conference Room. Feel free to turn off your video stream, close your eyes and listen in while you ground yourself in this moment, before jumping back into the rest of the day's events.

### 👤 Facilitator



**Sarah Miller** Assistant Director of Experiential Education, Center for Career & Experiential Education, University of Rhode Island

## International Education for Engineering Graduate Students: Formats, Desired Competencies, Challenges and Solutions

🕒 11:00am - 11:45am, Oct 23

Concurrent Session

Live Session

In this session, we will introduce three different types of international programming for graduate engineering students. From these different programming formats, we will highlight the similarities and differences among the challenges and opportunities of working with graduate students who are participating in international programs. Furthermore, this session will offer the opportunity for participants to reflect upon their own engagement with graduate students and share their own challenges and solutions for promoting international education within the field of global engineering.

### Subtopics:

Florence 2020: Tradition, Challenges, and Innovation

URI-TU Braunschweig's Dual Master Program

Global Engineering: Inclusive Action Towards Graduate Student Education

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### 🗣️ Speakers



**Theodore Sawruk** Associate Professor of Architecture, University of Hartford



**Ute Kopka** Overseas Studies Coordinator, International House, Technische Universität Braunschweig



**Kristina Kutsukos** Assistant Co-op Coordinator for the Global Co-op Team, College of Engineering, Northeastern University



**Sally Conant** Faculty Global Co-op Coordinator, College of Engineering, Northeastern University

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## Curriculum Internationalization: Assessment, Redesign and Integration

🕒 11:00am - 11:45am, Oct 23

Concurrent Session

Live Session

We will be discussing engineering curriculum in two different context, one for the redesign of engineering curriculum based on competency-based assessments, and the other for integrating education abroad into the curriculum to increase participation without delaying time to degree.

### Subtopics:

Curriculum and Assessment Alignment in International Dual Partnership: Brazil and United States

Engineering Courses Improvement Gounding by CAPES and Fulbright

Curriculum Integration: Education Abroad

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### 🗣️ Speakers



**Maria Tinoco** Professor adjunto, UFRGS



**Vanessa Becker Bertoni** Ph.D. Student, Graduate Program in Industrial Engineering, Federal University of Rio Grande do Sul



**Fernando Lermen** Ph.D. Student, Graduate Program in Industrial Engineering, Federal University of Rio Grande do Sul



**Joyce Samuel** Assistant Director of Advising, College of Engineering, Michigan State University



**John Haupt** Ph.D. Student, Center for the Study of Higher Education, University of Arizona

## Roundtable Discussion: Leveraging Academic and Corporate Partnerships (Case for Germany)

🕒 11:00am - 11:45am, Oct 23

Concurrent Session

Live Session

This session will feature the Program in German and Engineering at Auburn University through the Alabama German Partnership and the MIT MISTI Seed Funds sponsored by the German Ministry of Education & Technology (BMBF), MIT and selected German universities. The presenters from MIT and Auburn will share strategies on how to build these partnerships and leverage them for joint research, funding and workforce development.

### Subtopics:

Global Seed Funds: Creating Early-Stage Research Collaborations to Drive Broader Partnerships  
Lessons Learned: Leveraging Academic and Corporate Partnerships to Create a Sustainable Program in German and Engineering

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### 🗣️ Speakers



**Justin Leahey** Managing Director, MIT-Germany / MIT-Netherlands / MIT-Switzerland, Massachusetts Institute of Technology



**T O'Brien** Associate Professor of German / Chair of the Department of Foreign Languages and Literatures, Auburn University



**Bob Karcher** Coordinator for Engineering Global Programs, Auburn University



**Dean Hendrix** Associate Department Chair of Computer Science and Software Engineering / Director of CSSE Undergraduate Programs, Auburn University

## Break

🕒 11:45am - 12:00pm, Oct 23

Break

## Networking Lunch: Open Networking Time

🕒 12:00pm - 12:45pm, Oct 23

Live Session Networking

Catch up with conference attendees and make new connections!

## Big Ideas Panel: The Path Forward - Perspectives from Government, Academia and Industry

🕒 12:45pm - 1:45pm, Oct 23

Featured Panel Discussion Live Session Will Be Recorded

*The Big Ideas panel will address the most pressing challenges of our times: the on-going pandemic, the current economic crisis and the continued fight for social justice.*

*The following questions will be discussed:*

- How do you continue international education/mobility in times of a pandemic?
- How do you address social justice and equity issues in STEM education?
- How do you run an engineering company in an ethical and sustainable way, especially during a health and economic crisis?
- Should we be reimagining international engineering/STEM education as a conceptual and practical "toolkit" that students can access and flexibly deploy rather than as a career track that defines their personal and professional identity?

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### 👤 Moderator



**Sigrid Berka** Executive Director of the International Engineering Program / Professor of German, URI, International Engineering Program



**Mark Rectanus** University Professor Emeritus of German, Iowa State University

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### 👤 Panelist



**Benedikt Brisch** Director Regional Office New York, DAAD



**Rebecca Williams** Integration and Training Manager, SKF Lubrication Management , SKF Group



**Bryan M. Dewsbury** Associate Professor of Biology / Principal Investigator, Science Education and Society (SEAS), University of Rhode Island

## Break

🕒 1:45pm - 2:00pm, Oct 23

Break

## Keynote 3: Strategic Academic and Corporate Partnerships for University Global Engagement

🕒 2:00pm - 2:30pm, Oct 23

Keynote / Special Address Live Session Will Be Recorded

Keynote 3: Strategic Academic and Corporate Partnerships for University Global Engagement

Dr. Hirleman's keynote will address Purdue University's strategy for developing and sustaining global partnerships with nations, governments, NGOs, higher-education institutions and companies. The overarching strategy is to focus on the most substantial partnerships that can have the broadest possible engagement and impact. These partnerships provide students and faculty with increased global engagement opportunities, attract new funding for research and fellowships, and help Purdue graduates become global citizens.

### 📌 Keynote Speaker



**E. Dan Hirleman** Chief Corporate & Global Partnerships Officer, Purdue University

### 📌 Introduction of Keynote



**Eric Johnson** Dean of the College of Engineering / Professor of Electrical and Computer Engineering, Valparaiso University

## Conference Debrief: Big Takeaways, Closing Remarks, and Reveal of ACIEE 2021's Host University

🕒 2:30pm - 3:00pm, Oct 23

Live Session Opening Remarks / Debriefing Session

Please join us back in the Main Conference Room for this ACIEE wrap-up session, where you will be able to reflect on your experiences as well as have a sneak-peak into next year's ACIEE plans!

### 📌 Speaker



**Sigrid Berka** Executive Director of the International Engineering Program / Professor of German, URI, International Engineering Program