



BRENT-FELDER WEBINAR SERIES

“Effective Teaching
and Learning”

Dr. Brent

Dr. Brent has more than 40 years of experience in education and specializes in staff development in engineering and the sciences, teacher preparation, and evaluation of educational programs at both precollege and college levels, and she has authored or co-authored roughly 120 papers on those topics.



Dr. Rebecca Brent,
President, Education
Designs, Inc., Chapel Hill,
North Carolina, USA

Dr. Felder

Dr. Felder is the co-author of the book *Elementary Principles of Chemical Processes*, which is used as approximately 90% of chemical engineering texts in the United States and abroad, more than 300 papers on chemical process engineering and engineering education.

He won International Federation of Engineering Education Societies Global Award for Excellence in Engineering Education (first recipient) and the American Society for Engineering Education Lifetime Achievement Award in Engineering Education (first recipient).



Dr. Richard Felder,
Hochschol Celanese
Professor Emeritus of
Chemical Engineering,
North Carolina State
University.

Why Brent Felder Webinar Series ?

All participants will learn student-centric techniques, to enable students self-directed learners and problem solvers.

Worldwide Forum IUCEE, GEDS and IFEEES have met up to give a stage for students to learn creative education.

Faculty will be able to guide students to excel in problem-solving skills using creative, critical entrepreneurial multidisciplinary, collaborative and metacognitive thinking.

Two of the leading practitioners of student centric teaching techniques are Dr. Rebecca Brent and Dr. Richard Felder. They have been practicing, as well as training others, in the use of such techniques for several decades. Drs. Brent and Felder are co-authors of *Teaching and Learning STEM: A Practical Guide* (Jossey-Bass, 2016, <https://educationdesignsinc.com/book/>). Separately and together, they have presented over 500 workshops on effective teaching, course design, mentoring and supporting new faculty members, and STEM faculty development, on campuses and at conferences around the world. More About them is given below.





Scheduled Workshop Series

An online workshop series has been scheduled with the mission to identify, support and promote an international cadre of engineering professors who use student-centered teaching methods.

The online webinars will be delivered in an interactive format.

Each webinar will be up to 1.5 hours duration.

Participants will be expected to register in teams of minimum three from any given institution.

The institutional leadership must commit to strengthening the ecosystem for teaching and learning in their institution by enabling their team of three faculty to play a leadership role in this process. This can be in the form of support for an existing Teaching and Learning Center or the formation of a new Center if one does not exist.

IFEES

The aim of IFEES is connecting the world's engineering education societies to leverage our members' collective strengths to improve engineering education worldwide. IFEES is a global network representing more than 85 stakeholders in engineering education from more than 30 countries.

GEDC

The aim of GEDC is to serve as a global network of engineering deans, and to leverage their collective strengths for the advancement of engineering education and research. Their vision is to enhance the capabilities of engineering deans to transform schools in support of societies in a global economy.

IUCEE

The aim of IUCEE (Indo Universal Collaboration for Engineering Education) is to improve the quality and global relevance of engineering education in colleges in India. Faculty from over 100 Indian colleges and 200 global faculty members and experts are connected through this ecosystem.



Speaker Schedule :-

Sept 21, 2022: 1:00 pm GMT (6:30 pm IST)

"Motivating adult learners: Strategies to make teaching and faculty development more effective"



Dr. Richard Felder, Hoechst Celanese Professor Emeritus of Chemical Engineering, North Carolina State University.



Dr. Rebecca Brent, President, Education Designs, Inc., Chapel Hill, North Carolina, USA

Oct 26, 2022: 10:00 pm GMT (3:30 pm IST)

"Why engineering education must change (And how to go about it!)"



Dr. Roger Hadgraft, Professor of Professional Practice & Director, Educational Innovation and Research Faculty of Engineering and Information Technology, University of Technology Sydney

Jan 18, 2023: 1:00 pm GMT (6:30 pm IST)

" Learning facilitation with Zoom Tools "



Prof. Sofia Sá, Universidade de Lisboa, Portugal
CEGIST, Instituto Superior Técnico, Universidade de Lisboa, Portugal
and TUDublin, Ireland



Dr. Bill Williams, Setubal Polytechnic Institute, CEGIST, Universidade de Lisboa, Portugal

Feb 22, 2023: 1:00 pm GMT (6:30 pm IST)

"Educating engineers for the social purposes of engineering: Beyond competencies"



Dr. James Trevelyan, Professor Emeritus of Engineering, University of Western Australia, Perth, Australia, and CEO of Close Comfort Pty. Ltd.

Apr 26, 2023: 1:00 pm GMT (6:30 pm IST)

"Doing and teaching design: Active engagement with research results"



Dr. Cindy Atman, Director, Center for Engineering Learning & Teaching; Professor, Human Centered Design & Engineering, University of Washington

June, 24, 2023: 1:00 pm GMT (6:30 pm IST)

"A holistic approach to engineering education"



Dr. Debby Blaine, Associate Professor, Mechanics Division, Stellenbosch University, South Africa

Aug 23, 2023, 1:00 pm GMT (6:30 pm IST)

"Critical thinking: What is it about and how to develop it among our students"



Prof. Uriel Cukierman, Director of the Center for Educational Research and Innovation (CIIE) at the Universidad Tecnológica Nacional (UTN), Argentina

Oct 25, 2023, 1:00 pm GMT (6:30 pm IST)

"Student Engagement in the learning process"



Dr. Veena Kumar, University of Maryland Global Campus, USA
Director, IUCEE International Engineering Educator Teacher Certification Program

Dec 20, 2023, 1:00 pm GMT (6:30 pm IST)

"Inclusive pedagogy in teaching and learning"



Dr. Stephanie Farrell, Professor and Founding Department Head, Experiential Engineering Education Department (ExEED), Rowan University, USA

Feb 21, 2024, 1:00 pm GMT (6:30 pm IST)

"Linking classrooms and communities with Community-Engaged learning"



Dr. Bill Oakes, 150th Anniversary Professor, Director, EPICS Program; Professor, Engineering Education, Purdue University

Apr 24, 2024: 1:00 pm GMT (6:30 pm IST)

"How to create a healthy 2-way dialogue in an engineering classroom"



Dr. Sheri Sheppard, Richard W. Weiland Professor, School of Engineering, Stanford University, USA

June 19, 2024, 1:00 pm GMT (6:30 pm IST)

"Developing learning teams"



Dr. Khairiyah Mohd-Yusof, Director of Universiti Teknologi Malaysia Centre for Engineering Education, Malaysia