Hessen International Summer University (ISU)
The ISU Darmstadt is organised by Hochschule Darmstadt, one of the biggest Universities of Applied Sciences in Germany and funded by the Hessen Ministry of Higher Education, Research and the Arts.

Academic Module
In Transition to a Pure Green Energy Economy
The 2019 Hessen:ISU Darmstadt combines technical and business perspectives and deals with the prospects of an energy system and a whole economy relying solely on renewable energy. It focuses especially on three challenges on the way towards a green energy economy:

1. Transforming supply:
   • Competitiveness of renewable energies and regimes of promoting them
   • Potentials for different renewable technologies
   • Challenges of an ever-increasing share of renewables for the energy system

2. Transforming demand:
   • Flexibilities of different consumer groups and demand side management as business case
   • Smart grids, meters and devices: Redesigning the electric infrastructure
   • Electric mobility as changing factor for the energy industry

3. Transforming business:
   • New players, new roles, new business models in the power industry
   • The future of gas in a pure green energy economy
   • The “prosumer” as new ideal of the energy system of the future?

Scheduled excursions to Berlin and Munich:
- **EUREF-Campus, Berlin:** A real-world ‘laboratory’ for the energy revolution with over 150 companies and startups working on the campus area with its own, innovative and CO2-neutral energy concept
- **Vattenfall Power Plant, Berlin:** Biggest power-to-heat complex in Germany
- **BMW Welt, Munich:** BMWi exhibition (BMW’s vision of the future of mobility with pure electric vehicles and autonomous driving)
- **Deutsches Museum, Munich:** Energy technology exhibition

Participants
We welcome motivated advanced undergraduate and graduate students from all over the world with an academic background in business administration, energy management, industrial engineering, electrical engineering, environmental engineering, civil engineering, renewable energy engineering, or related disciplines.

The programme includes
- Academic seminars, project work and lectures
- Hands-on experiences in labs, during field trips and company visits
- Sightseeing and other cultural activities
- An international and intercultural classroom
- Instruction by international professors and practitioners, engineers and experts in the field
- German language classes for beginners and advanced learners
- 9 ECTS-credits in total

Why Darmstadt?
Darmstadt, also known as the “City of Science,” is home to several scientific institutions, universities and high-technology companies. The city is rich of old art nouveau establishments, such as Mathildenhoehe. Darmstadt is located in the vibrant metropolitan Rhine-Main area, right next to Europe’s financial centre Frankfurt/Main and within easy reach of many major European cities.
Programme fee
Students from partner universities might be eligible for a tuition waiver. Please contact the programme coordinator for more information.

Early-bird-fee: 1.790 € for applications received before April 1, 2019
Regular fee: 1.990 € for applications received after April 1, 2019
Application deadline: June 1, 2019

The programme fee includes:
• Accommodation
• Tuition and course related activities
• Lecture material for all seminars
• Cultural and leisure activities
• Public transportation within Darmstadt
• Health, accident, and liability insurance

Hessen: ISU Darmstadt Team
Academic Directors
Prof. Dr. Sebastian Herold
Department of Business
Darmstadt University of Applied Sciences

Professor John A. Piller
School of Engineering and Technology
Purdue University

Programme Coordinator and Contact:
Jessica Mayer
International Office
Email: isu.int@h-da.de

For more information, please visit our website:
https://isu.h-da.de/

International Summer University 2019
In Transition to a Pure Green Energy Economy
July 14 – August 10, 2019