



# ISU International Summer University on Renewable Energy and Sustainability

23.08. - 04.09.2026 Block Weeks, in Falera, GR, Switzerland

## What is offered?

- => Learning together with other international students how to shape a sustainable energy future
- => Enjoy a close exchange in the idyllic mountain village of Falera with more than a dozen internationally renowned guest lecturers

## Content

Lectures, practical exercises, interdisciplinary real-life group projects and an excursion to the EKZ Power plant «Vorder-Rhein» (equivalent up to 4 [ECTS credits](#))

## Our Partners

click on logo to visit Website



Other Partners are to be confirmed

Duration (h)	23.08.26	24.08.26	25.08.26	26.08.26	27.08.26	28.08.26	29.08.26
	SUN	MON	TUE	WED	THU	FRI	SAT
08:45 09:00		Welcome to Falera (N. Good, Municipality of Falera, CH)	Check-in: news of the day	Check-in: news of the day	Check-in: news of the day	Check-in: news of the day	
09:00 10:30		Supply & Demand Challenges in Renewable Energy Production and Storage (A. Kärthner, PROGNOSt, CH)	Solar Thermal Systems II: From Concepts to Application (R. Pitz-Paai, DLR, DE)	Wind Generators: Fundamentals & R&D (N. Lewald, KIT/EPFL, DE)	Geothermal Fundamentals in Production and Conversion (F. Christe, Geo-Energie Susse AG, CH)	Li-Batteries: From Manufacturing to Application (P. Fath, RCT Power, DE)	
11:00 12:30	Arrival till 16:00	National Research Strategies of Renewables and Sustainability (B. Redl, HZB, DE)	Batteries: Fundamentals & R&D (P. Slatler, BHAM, EN)	Decision Making (K. Gutbrod, meteoblue, CH)	Wind Power Systems: From Concepts to Application (N. Lewald, KIT/EPFL, DE)	Pumped Hydropower: From Concepts to Application (B. Vally, Alpiq, CH)	
14:00 15:30		PV Cells and Modules: Fundamentals & R&D (F.J. Haug, EPFL, CH)	Hydrogen Fundamentals in Production and Conversion (bc: BAM, DE)	Practice Workshop (WNA).	Practice Workshop (WNA).	Practice Workshop (WNA).	EKZ- Excursion to <a href="https://de.wikipedia.org/wiki/Kraftwerke_Vorderrhein">https://de.wikipedia.org/wiki/Kraftwerke_Vorderrhein</a>
16:00 17:30	BBQ in Falera, Parc la Matta	Solar Thermal Systems I: Fundamentals & R&D (R. Pitz-Paai, DLR, DE)	Photovoltaic Systems: From Concepts to Application (F.J. Haug, EPFL, CH)				
19:30 21:00	Welcome Address (ISUs)	Energy Transformation: Key Success Factors (Panel Discussion) (A. Kärthner, B. Redl, R. Pitz-Paai & P. Slatler)	Safety and Sustainability as Two Key Factors in Energy Transformation (J. Redl, BAM, DE)	free	Climate Change Effects, Economics and Options (K. Gutbrod, meteoblue, CH)	Renewable Future: Needs and Opportunities for Newcomers (Panel Discussion) (Students)	
				Astronomy Observation (J. Queiroz, Mrastrées Observatory, CH)			
Duration (h)	30.08.26	31.08.26	01.09.26	02.09.26	03.09.26	04.09.26	05.09.26
	SUN	MON	TUE	WED	THU	FRI	SAT
08:45		Check-in: news of the day	Check-in: news of the day	Check-in: news of the day	Check-in: news of the day	Check-in: news of the day	
09:00 10:30		Battery Reuse and Recycling Market Prognosis with AI-Tools (C.-E. Forchert, i-vector, DE)	Hydrogen Systems: From Concepts to Application (M. Rasch, HZB, DE)	PPA for Renewables - International Scaling-up Strategies (J. Abegg, ANFO, DE)	Smart Grid and Renewables: From Concepts to Application (F. Cargiel, ZHAW, CH)	Bioinspired Energy Harvesting Processes & "Caring is Cool" Career & Impact. (J. Nieder, INL, PT)	Departure till 10:30
11:00 12:30		Solar Architecture - Economy & Acceptance: From Concepts to Application (C. Gutzwiller, UNIBAS, CH)	Technologic, energy transition and geopolitics: from China to Africa to Europe (Ch. Balif, EPFL, CH)	Energy and sustainability Management / Business Models (M. Looek, HSG, CH)	Life Cycle Assessment & Recycling of Energy Materials (J. Rieder, BAM, DE)	Energy Network Operation (bc: BTU, DE)	
14:00 15:30 16:00 17:30	free for outdoor activities	Group Projects	Excursion Hydropower Falera	Group Projects	Group Projects	Multiple Choice TEST (all). Presentation of Group Projects (all).	
19:30		Sustainable Buildings (K. Lehmann, Blumer-Lehmann, CH)	Renewable Energy for Industry (J. Abegg, AXPO, DE)	Economy and Sustainability - contradiction or synergy? (Panel Discussion) (Ch. Balif, J. Abegg, M. Looek & J. Rieder)	free	Closing Session & Farewell	

ISUenergy 2026 Program - Version 2026/04/01

## What will be your take-aways?

- => Deep applied insights into renewable energy technologies like generation, storage and distribution.
- => Understanding of the entire value chain from underlying principles via applications to cross-cut topics like economics and politics.
- => Hands-on experience with practical equipment and digital tools.
- => First-hand insights from top-class experts of academia and industry.
- => Real Swiss alpine mountain, weather and history experience.
- => Contacts with like-minded students and experienced professionals from various countries and continents.
- => Great value-for-money experience including accommodation in vacation flats and daily meals in a historic alpine holiday resort.
- => Surprising results, events, cuisine, fun, and ... what YOU make of it!!!

## What are our experiences?

- => Scientific and commercial successes
- => Hundreds of students trained
- => [Video ISUenergy 2026](#)



ISUenergy Website:  
<https://isuenergy.org/>



Video ISUenergy 2026:



Link to this flyer

