

»THE CONTINUING EDUCATION OF BOTH SPECIALISTS AND MANAGERS IS ESSENTIAL FOR SUCCESS IN THE RENEWABLE ENERGY MARKET. THROUGH OUR TRAINING COURSES WE PROVIDE THE MOST CURRENT RESEARCH AND KNOWLEDGE TO YOUR EMPLOYEES.«

PROF. DR. KURT ROHRIG,
DEPUTY DIRECTOR OF FRAUNHOFER IEE

TRAINING AND KNOWLEDGE TRANSFER

YOUR CONTACT PARTNER

The team of advanced training and knowledge transfer at Fraunhofer IEE is your contact partner for training programs in the current fields of renewable energy

Day and Week Seminars



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Master Program and Certificates



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SUCCESS IN THE MARKET THROUGH QUALIFIED ADVANCED EDUCATION

The transition in energy production requires a specialized staff

The transformation of the energy system, as well as the decision makers from business and government, face new challenges. Projects which utilize wind, solar, and bioenergy must be authorized, developed, and implemented. Many factors must be carefully considered: fluctuating energy production from wind and solar power plants, the reliability of weather forecasts, new communication systems for virtual power plants, the expansion of power distribution networks and ensuring the joint stability of electricity and heat systems. For the successful implementation of these projects, a continuously growing education and skillset of industry professionals and managers is necessary.

Knowledge transfer of new energy systems

Our institute has established itself over the past 25 years, through intensive research and development, as a nationally and internationally recognized research partner in the field of energy systems technology for the use of renewable energy, as well as for shaping the energy turnaround. The current and practical knowledge of our over 300 scientists is an essential part of the instruction of our training courses.

Advanced training programs for the market

With our advanced training programs, we have been successful for years in offering our "know-how-pool" to students, decision makers, specialists, and managers, on both a national and international level. With internal experts, as well as a wide network of collaboration with other experts, we are able to offer both basic and detailed knowledge for the use of renewable energy. This learning-alliance with the industry guarantees a strong technology and application orientation.



OUR ADVANCED TRAINING PROGRAMS

Day Seminars

- Wind conditions and complex sites – LiDAR – wind profiles – turbulence
- Wind potential with LiDAR-technology determination
- Preventive Wind farm maintenance
- Wind power and PV prognosis for energy systems

Week Seminars

- Wind power
 - Seminar 1: technology, site review, grid connection, project planning, excursion
 - Seminar 2: wind farm regulation and grid connection guidelines
- Solar energy
 - Technology, project planning, grid integration, hybrid systems, excursion
- Biogas plants
 - Bio-gas production, bio-gas processing, system design and operational management, economics, excursion

Master Program and Certificates

- Online M.Sc. Wind Energy Systems
- Certificates of advanced studies in wind energy systems
 - Scientifically oriented fundamentals of wind energy systems
 - Electrical engineering of wind energy systems
 - Integration of wind power in the electricity supply system
 - Wind energy converter systems
 - Computational wind energy systems
 - Structural mechanics of wind energy systems
 - Fluid mechanics of wind energy systems

Alongside the advanced training programs listed above, we gladly provide you with day and week seminars customized to your needs.