

NSF Workshop for Sustainable Energy Systems: Program

TIME	Title	Presenter	Affiliation
Wed, Nov. 29			
8:00-9:00	Breakfast		
Opening Plenary Session			
9:00-9:05	Opening Remarks	Miroslav Begovic	Georgia Tech
9:05-9:10	Welcome	Prof. Jean-Lou Chameau	Dean, College of Engineering, Georgia Tech
9:10-9:15	Welcome	Prof. Roger Webb	Chair, School of ECE, Georgia Tech
9:15-10:00	Sustainable Technologies: Activities at NREL	Adm. Richard Truly	NREL
10:00-10:45	Sustainable Technologies: Activities at Sandia	Marjorie Tatro	Sandia National Labs
10:45-11:00	Break		
Industry in Transition			
11:00-11:30	Restructuring of the Power Utility Industry	George Gross	Univ. of Illinois - Urbana
11:30-12:00	Power Industry Restructuring and Sustainability	Fernando Alvarado	Univ. of Wisconsin - Madison
12:00-1:00	Lunch		
Economics of Sustainability			
1:00-1:30	The Economics of Sustainable Energy Systems	Ujayant Chakravorty	Emory University
1:30-2:00	Changing Energy Industry and Customer	Merwin Brown	NREL
2:00-2:30	Energy and City: Integrated System for Sustainable Development	F. Gagliardi and M. Roscia	Universita di Napoli Federico II
2:30-2:45	Break		
Distributed Generation and Energy Storage			
2:45-3:15	Distr. Systems - Interf. Issues- Mult. Energy Carriers	Bjorn Bakken	Sintef Energy Research
3:14-3:45	Dispersed Generation	Badrul Chowdhury	University of Missouri - Rolla
3:45-4:15	Energy Storage for Sustainable System	Robert Hebner	University of Texas - Austin
4:15-4:30	Break		
4:30-5:30	Discussion		
6:30-9:00	Banquet at Wardlaw Center		
Thu, Nov. 30			
8:00-8:30	Breakfast		
Technologies: Photovoltaics and Fuel Cells			
8:30-9:00	Solar Electric Power: Road to a Clean, Secure Energy Future	James Gee and Roland Hulstrom	Sandia / NREL
9:00-9:30	Progress in PV: From Lab to Marketplace	Tom Surek	NREL
9:30-10:00	Fuel Cell Technology: Status	Meilin Liu	Georgia Tech
10:00-10:15	Break		

Sustainability in Education

10:15-10:45
10:45-11:15
11:15-11:45

Teaching "Sustainable Energy"
Educational Programs at DOE and NREL
Sustainability in Curriculum

William Peters
Cecile Warner
Group of Graduate Students

MIT
NREL
Georgia Tech

11:45-12:30

Lunch

Education and International Activities

12:30-1:00
1:00-1:30
1:30-2:00

Sustainability in Education
International Programs
Electromechanical Battery for Rural Power Supplies

Michael Ropp
Saifur Rahman
Pragasen Pillay

University of South Dakota
Virginia Tech
Clarkson University

2:00-2:15

Break

Technology: Geothermal and Solar Thermal

2:15-2:45
2:45-3:15
3:14-3:45

Geothermal Power
Development and Support of Geothermal Energy
Development of Solar HVAC for Carribean Region

Ken Williamson
John Finger
Jorge Gonzales

Unocal
Sandia
University of Porto Rico

3:45-4:00

Break

Sustainability and Living Environment

4:00-4:30
4:30-5:30

Sustainable Technologies: Comparative Study
Solar Electric Architecture

Dennis Creech
Steven Strong

Southface Institute
Solar Design Associates

6:30-9:00

Banquet at the Alumni House

Fri, Dec. 1

8:00-8:30

Breakfast

Grid Interface, Standards, and Control Issues

8:30-9:15
9:15-9:45
9:45-10:15

Standard P 1547
System Control With Renewable Sources
The Role of DC in Future Electricity Systems

Richard DeBlasio
M. S. Chen and R. Kenarangui
Petter Heyerdahl

NREL
University of Texas - Arlington
Agr. Univ. Norway

10:15-10:30

Break

Power Electronics Issues

10:30-11:00
11:00-11:30
11:30-12:00

Sustainable Systems: Power Electronics Issues
Converters in Renewable Energy Systems
Multi-Stage Converters for Renewable System Applications

Alex Stankovic
Herb Hess
Leon Tolbert

Northeastern University
University of Idaho
University of Tennessee - Knoxville

12:00

Wrap-Up