

DOE/National Association of State Universities and Land Grant Colleges (NASULGC) Biomass and Solar Energy Workshops August 3-4, 2004

Overviews

Welcome

Patrick Lana

NREL Overview

Stanley R. Bull

The National Bioenergy Center and Biomass R&D Overview

Michael A. Pacheco

Solar Energy Technologies: Research, Applications and Opportunities

John P. Benner

Biomass

Solar

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Biomass and Solar Energy Workshop Presentations

Biomass

An Introduction to Biomass Thermochemical Conversion

Richard L. Bain

The Use of Renewable Feedstocks for the Production of Chemicals and Materials— A Brief Overview of Concepts

Joseph J. Bozell

Biotechnological Routes to Biomass Conversion

James D. McMillan

Biomass Feedstocks

Ralph P. Overend and Mark Davis: NREL; Rob Perlack: ORNL; Tom Foust: INEEL et.al.

Products R&D in the Office of the Biomass Program

Gene Petersen

Sustainable Biomass: A Systems View

John Sheehan

Solar

Electrical and Optical Characterization of Semiconductors

R.K. Ahrenkiel

Photovoltaic Efficiency Measurements

Keith Emery

Solar Thermal Systems: Solar Heating R&D

Tim Merrigan

Measurements and Characterization Tutorial— Surface Analysis Characterization: Fundamentals and Applications to PV

Joel Pankow

Microscopy Team

Manuel Romero

Solar Radiation Measurements: A Workshop

Tom Stoffel and Steve Wilcox