

Forum B
Sustainable Future through Bioenergy and Biomass Usage

Co -Chairs: **Joshua Yuan, Assistant Professor, Texas A&M University**
Xiaolei Wu, Professor and Associate Dean, College of Engineering, Peking University

Session 1 Bioenergy: Strategic Assessment and Governmental Initiatives

Session Chair: Joshua S. Yuan (TAMU) and Xiaolei Wu (Peking University)

Speaker 1: Dr. Lee R. Lynd – Paul E. and Joan H. Queneau Distinguished Professor in Environmental Engineering Design, Dartmouth College; Director and Chief Scientific Officer, Mascoma Corporation

Title: The Role of Biofuels in a Sustainable World

Speaker 2: Dr. Lilan Zhu – Former Minister of Science and Technology, People’s Republic of China

Title: To be announced

Speaker 3: A senior US representative to be invited.

Session 2: Next Generation Bioenergy: Feedstock and Crop Residuals, Environmental Remediation, Biocatalyst System Development, and Future Biofuels

Session Chair: Michael F. Thomashow (MSU and USDOE) and Yuanchu Shi (China Agriculture University)

Speaker 1: Michael F. Thomashow – *Member of National Academy of Sciences*, Director, DOE-MSU Plant Research Lab, Former President of American Society of Plant Biology

Title: Abiotic Stress Tolerance for Feedstock and Crop Improvement for Broader Adaptation in Extreme Environment

Speaker 2: Yuanchu Shi – *Member of Chinese National Academy of Science, Member of Chinese National Academy of Engineering*, Former President of China Agriculture University

Title: To be announced

Speaker 3: Joshua S. Yuan – Assistant Professor, Texas A&M University

Title: Enabling and Novel Solutions for Second and Third Generation Biofuels

Speaker 4: Jianzhong Sun – Professor and Center Director, Jiangsu University

Title: Termite Gut as the Natural Biocatalyst System

Speaker 5: Nikos Kyrpides – Group Leader, Genome Biology Group, Joint Genome Institute and Lawrence Berkeley Laboratory, US Department of Energy

Title: Genome Science and the Future of Bioenergy

Speaker 6: Yibo Qu – Professor and Dean, College of Life Sciences, Shandong University

Title: To be announced

Speaker 7: Xiaoyu Zhang – Professor and Director, Huanzhong University of Science and Technology

Title: To be announced

Session 3: Biomass Conversion and Biorefinery

Session Chair: Pingkai Ouyang (Nanjing University of Chemical Engineering) and Michael WW Adams (University of Georgia)

Speaker 1: Pingkai Ouyang – President and Professor, Nanjing University of Chemical Engineering, *Member of Chinese Academy of Engineering*

Title: To be announced

Speaker 2: Michael WW Adams – Distinguished Professor and Co-Director, Center for Metalloenzyme Studies

Title: Biological Pretreatment of Biomass with Thermophilic Microbes

Speaker 3: Xiaolei Wu – Professor and Associate Dean, College of Engineering, Peking University

Title: To be announced

Speaker 4: Shulin Chen – Professor and Director, Washington State University

Title: To be announced

Speaker 5: Tianwei Tan – Professor and Vice President, Beijing University of Chemical Engineering

Title: To be announced

Speaker 6: Mark Holtzaple (or Represented by Aron Smith), Professor, Texas A&M University

Title: MixAlco Process for the Biomass Processing

Session 4: Closed Door Discussion – Future of Bioenergy in China: Government Policy Development, Funding Opportunities, and Technology Commercialization

Moderator: Xiaolei Wu (Peking University) and Joshua S. Yuan (TAMU)

Speaker 1: Qiang Wang – Director for International Collaboration with North America, Ministry of Science and Technology

Title: To be announced

A DOE program director has been invited.

7:00pm Banquet Dinner and Continued Discussion (Host: Drs. Xiaolei Wu and Joshua S. Yuan)