

International Solar Energy and Green Building Conference

Date: Tuesday 28th April 2015

Venue: Kerry Hotel Pudong, Shanghai, Grand Shanghai Ballroom 1

Time: 09:00-18:00

Green building, with its focus on a harmonious coexistence with nature, has developed into a major trend in the building industry in recent years. As a clean and sustainable energy, solar power can undoubtedly help buildings go green. Today's world is witnessing more and more the diversified application of solar energy to green buildings, and the green building industry is actually the most promising future market for distributed PV power generation. SNEC 2015 International Solar Energy and Green Building Conference is a premier sharing and networking platform for specialists in the fields of solar application and green building. Well-known experts, authorities and architects will attend the event to Conference, interpret the latest government policies, introduce technological advances and achievements, analyze market trends, and share successful practices and experience. They will also discuss and explore issues of common concern, including the opportunities and challenges that the concepts of green building have brought to the transformation and development of architecture design; how buildings can harmoniously coexist with the surrounding environment while finding a balance between aesthetic and the use of renewable energy and green technology; and innovation of solar technology for buildings. Attendees of the Conference can hear insightful opinions from experts and have the opportunity to interact with them. This Conference will strengthen cooperation between the solar and building industries as well as injecting new vitality and creativity into both.

| PROGRAM | | |
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| Opening Ceremony & Plenary | | |
| Time | Topic | Speaker |
| 09:00 - 09:30 | <u>Opening Ceremony</u> Dr.-Ing. Stefan Rinck CEO, SINGULUS TECHNOLOGIES, Member of the Main Executive Board VDMA, General Chairman of the EU PVSEC 2015 Prof. Zhen HUANG Vice President of Shanghai Jiaotong University (invited) Prof. Zhiqiang WU Vice President of Tongji University (invited) Dr. Peter Helm Managing Director, WIP Renewable Energies; Executive Director of EU PVSEC Dr. Chang ZHOU Vice Chairman & Secretary General, Architectural Society of China Mr. Jiaming CAO Director of The Architectural Society of Shanghai China (ASSC) Mr. Zhongze GAN President of Shanghai Green Building Council | |

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| 09:30 - 09:50 | Chinese Policies on renewable energy building development | Mr. Kunsheng ZHENG Former Vice Minister of Ministry of Housing and Urban-Rural Development of PR China (MOHURD) and Former Chairman of China Association of Building Energy Efficiency (CABEE) |
| 09:50 - 10:10 | Green Built Environment - achievements and visions of the UIA International Union of Architects / ARES Work Programme | Arch. Nikos Fintikakis Council Member International Union of Architects (UIA) Director, UIA-ARES International Work Programme |
| 10:10 - 10:30 | Design concepts of Sky City for high-rise building groups | Mr. Huancheng JIANG Academician of Chinese Academy of Engineering |
| 10:30 - 10:50 | Practice with a green attitude | Prof. Qingyun MA Dean of the architecture school at the University of Southern |
| 10:50 - 11:10 | Architectural creation based on Green Building | Prof. Jian ZHANG Director of Architecture Design and Landscape Environment Research Center of Shanghai Jiao Tong University and Director of the Specialized Committee on Ecological Development of The Architectural Society of Shanghai China (ASSC) |
| 11:10 - 11:30 | Green building and application of renewable energy technology | Prof. Hongwei TAN Executive Deputy Director of Green Building and New Energy Center in Tongji University |
| 11:30- 11:50 | Standard of Green Building | Dr. Jianrong YANG Director of Institute of Building Innovation Technology of Shanghai Research Institute of Building Sciences (SRIBS) |
| 11:50- 12:30 | Panel topics: Opportunities and challenges for the transformation of architectural design <ul style="list-style-type: none"> • Solar Buildings, Zero Energy Buildings • Opportunities and challenges: the transformation and development of architectural design driven by the use of solar energy • new energy technologies and buildings: elements for an harmonious balance | Moderator- Prof. Hongwei TAN Executive Deputy Director of Green Building and New Energy Center in Tongji University Arch. Nikos Fintikakis Council Member International Union of Architects (UIA) Director, UIA-ARES International Work Programme |

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| | | <p>Dr. Jianrong YANG Director of Institute of Building Innovation Technology of Shanghai Research Institute of Building Sciences (SRIBS)</p> <p>Prof. Feng QIAN College of Architecture and Urban Planning, Tongji University</p> <p>Mr. Jiaming CAO Director of The Architectural Society of Shanghai China (ASSC)</p> <p>Mr. Zhongze GAN President of Shanghai Green Building Council</p> |
| 12:30 - 13:30 | Lunch | |
| 13:30-13:45 | Application and investigation of Photovoltaic buildings in China | Ms. Xueya CHE Deputy Chief Architect, Architectural Design & Research Institute of Tongji University (Group) Co., Ltd. |
| 13:45-14:00 | Sustainable design and solar application in buildings | Arch. Emily Phang Partner, Foster + Partners |
| 14:00-14:15 | Integration of architecture and environment | Prof. Enfang Liu Director, Shanghai Institute of Architectural Design & Research (Co., Ltd.) |
| 14:15-14:30 | Integration of Urban Farming and Green Architecture | Prof. Marco Sala Architecture School of Florence University Founder and Director of A.B.I.T.A. Inter-university Research Centre Director of European Master ABITA in Sustainable Architecture |
| 14:30-14:45 | Application and consideration of Solar and Green Building engineering | Luo Duo Deputy Dean of the Research Institute |
| 14:45 - 15:00 | Applying the PPA Model to China: Challenges and Opportunities | Rosie Pidcock Senior Manager, Commercial Solar, UGE International Ltd. |

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| <p>15:30 - 16:10</p> | <p>Panel topics:</p> <p>Future perspectives for green buildings</p> <p><i>Panel topic:</i> Technical barriers and solutions</p> | <p>Moderator: Arch. Nikos Fintikakis Council Member International Union of Architects (UIA) Director, UIA-ARES International Work Programme</p> <p>Prof. Marco Sala Architecture School of Florence University Founder and Director of A.B.I.T.A. Inter-university Research Centre Director of European Master ABITA in Sustainable Architecture</p> <p>Arch. Emily Phang Partner, Foster + Partners</p> <p>Luo Duo Deputy Dean of the Research Institute</p> <p>Prof. Xue ZHANG Shanghai Maritime University</p> <p>Dr. Ruzhu WANG Director of Institute of Refrigeration and Cryogenics, Shanghai Jiao Tong University</p> <p>Prof. Jianmin MENG Chief Architect of Shenzhen General Institute of Architectural Design and Research Co., Ltd</p> <p>Prof. Ming ZHANG Vice Dean of Department of Architecture in College of Architecture and Urban Planning, of Tongji University</p> <p>Mr. Burkhard Holder Head of Division ET – Energy & Smart Technologies, VDE Institute, Germany (Invited)</p> |
| <p>16:10-16:25</p> | <p>Energy Smart Microgrid and architecture</p> | <p>Mr. Shubin NIU Technical Director GCL-Poly Energy Holdings Limited</p> |

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| 16:25-16:40 | Full-glass component for architecture | Mr. Tao SHAN Deputy General Manager Baoding Jiasheng Photovoltaic Technology Co.,LTD. |
| 16:40-16:55 | tbd | Dr Zhongwei ZHANG.CTO CTO Shanghai Aerospace Automobile Electromechanical Co.,Ltd |
| 16:55-17:10 | How to design and marketing BIPV roof for civil use | Dr. Lihui GUO Chief Scientist PV Technical Services Inc. |
| 17:10-17:50 | <p>Cross-industry cooperation between solar and building technologies</p> <p><i>Panel topics:</i></p> <ul style="list-style-type: none"> • How to strengthen cooperation between the solar and building industries • Innovation of solar technology for buildings | <p>Moderator: tbd</p> <p>Claus Kuhn 博士 VP Thin Film Solar, Manz AG, Germany (invited)</p> <p>Dr. Lihui GUO Chief Scientist PV Technical Services Inc.</p> <p>Dr Zhongwei ZHANG.CTO CTO Shanghai Aerospace Automobile Electromechanical Co.,Ltd</p> <p>Mr. Tao SHAN Deputy General Manager Baoding Jiasheng Photovoltaic Technology Co.,LTD.</p> |
| 17:50 - 18:00 | Closing remarks – wrap up of event | |
| 19:00 - 22:00 | Gala Dinner (Awards Ceremony of 2015 Challenge Cup of Solar Building Design & Engineering (SBDE2015)) | |

Co-organizers:

Asian Photovoltaic Industry Association (APVIA) | Shanghai Jiao Tong University | Tongji University | Shanghai Research Institute of Building Sciences (SRIBS) | The Architectural Society of Shanghai China (ASSC) | Shanghai New Energy Industry Association (SNEIA) | WIP-Renewable Energies | ETA-Florence Renewable Energies