



Vacuum Insulation Panel: Green Material and Healthy Life

IVIS2015

Proceedings of 12th International Vacuum Insulation Symposium

真空绝热板:绿色材料 健康生活
第十二届国际真空绝热材料会议论文集

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Preface

The 12th International Vacuum Insulation Symposium (IVIS 2015) is being organized and hosted by the Nanjing University of Aeronautics and Astronautics (NUAA), Nanjing, Jiangsu, China, 19 – 20 September 2015. IVIS 2015 is a continuation in a series of symposiums, which was originally started by the former Vacuum Insulation Association (VIA). The last symposium was held in Dubendorf, Switzerland in 2013. Traditionally held in Europe or North America, IVIS 2015 is the first one organized in Asia.

Global construction industry is now strongly focused on energy efficiency and sustainability, and Asia, led by China, is the fastest growing building construction market in the world. More importantly, for the first time in the modern history of building construction, energy efficiency is being considered as equally important, if not more, as other traditional design criteria such as structural stability and durability. The role and importance of high performance thermal insulations such as vacuum insulation panels (VIPs) in the global construction industry at this opportune moment cannot be overemphasized. There are opportunities and challenges which can and should be converted into game changing examples. In this context, IVIS 2015 and associated events in Nanjing aim to provide a global platform for discussion and collaboration among researchers, manufacturers, building designers, project managers and, last but not the least, the end users. A total of seventy seven (77) papers and posters will be presented during the symposium days. These papers authored by academic and industry researchers from Asia, Europe and North America focus on comprehensive issues ranging from materials, systems, applications and long-term performance. It is important for all of us, the VIP research community, to remember that IVIS is the primary international research forum for VIPs and we remain fully engaged with the stakeholders during the symposium to provide directions and identify scopes for future research, development and collaborations. More specifically, the presence of the members of newly formed Vacuum Insulation Panel Association (VIPA International, <http://vipa-international.com/>), the global trade association representing the interests of companies that manufacture and supply equipment and/or materials to the Vacuum Insulation Panel industry, and EBC Annex 65 on Long Term Performance of Super-Insulating Materials in Building Components and Systems (<http://www.iea-ebc.org/projects/ongoing-projects/ebc-annex-65/>) during the symposium days provides a unique, not to be missed, opportunity to foster collaboration between industry and academic researchers.

Finally, as the Chair, and on behalf of the Advisory, Organizing and Scientific Committees of this symposium, I would like to thank and express my gratitude to all authors, reviewers, sponsors and exhibitors for their support, sincerity and hard work.

I hope your days in Nanjing become enriching and pleasant experience.

Sincerely

Prof. Chen Zhaofeng, Ph.D
Nanjing, China, September 2015
Chair, IVIS 2015

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