

EVENT SCHEDULE

International Vacuum Insulation Symposium 2023 | 06th November 2023

Registration	08:00 - 08:55
Welcome Message Prof G Kumaresan (Chair IVIS2023)	09:00 - 09:05
Inaugural speech Prof R Velraj (Vice Chancellor)	09:05 - 09:20
Chief Guest Message Dr E S Padma Kumar Indian Space Research Organization Inertial Systems Unit (ISU)	09:20 - 09:35
Update on VIPA International Mr Sebastian Baars	09:35 - 09:55
Cost Efficiency of VIPs Dr Roland Caps	09:55 - 10:15
The development and deployment of vacuum insulation panels in buildings Dr Antonio J Aldykiewicz Jr	10:15 - 10:35

Break + Posters + Exhibition 10:35 - 11:05

Presentation session 1 Chair: Dr Roland Caps 11:05 - 12:05

Slowing down the ageing rate of VIPs in buildings – New Generation of PST Laminates Gil Ishai	11:05 - 11:25
VIP ageing, insight on 3D skeleton tortuosity with X-ray tomography analysis Genevieve Foray	11:25 - 11:45
Vacuum insulation panels (VIPs) for domestic cooking ovens Dron Kaushik	11:45 - 12:05

Lunch+Posters+Exhibition+ Scientific Committee Meeting 12:05 - 13:40

Presentation session 2 Chair: Prof Harjit Singh 13:40 - 14:40

Development of novel barrier technology with VM-EVOH Yasuhiro Nonaka	13:40 - 14:00
Properties of Cabin Interiors with Integrated Vacuum Insulation Panels Vakhtang Latszybaya (Online)	14:00 - 14:20
A Study on Performance Differences and Challenges of Different Long-Term Performance Calculation Methods for Glass Fiber Core VIPs Including Getters Hideya Yamamoto	14:20 - 14:40

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Break + Posters + Exhibition 14:40 - 15:10

Presentation session 3 Chair: Prof S Suresh 15:10 - 16:10

Influence of Dynamic Vacuum Insulation on Energy Performance of Buildings in Canada Phalguni Mukhopadhyaya	15:10 - 15:30
Validated Model for Mie Scattering of Thermal Radiation in Vacuum Insulation Panel Cores Mohammed Reza Jalali	15:30 - 15:50
Use of Energy Storage and Vacuum Insulation Panels for Energy Efficient Buildings in India Himanshu Tyagi	15:50 - 16:10

IVIS Awards Presentation 16:10 - 16:40

Symposium Dinner 19:00

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Vacuum Insulation Panels (VIPs) in Indian Refrigerator Sector: Overview **Mr Vinay W Chalniwale** **09:00 - 09:20**

Prediction of VIP life by Arrhenius formula **Prof Zhaofeng Chen (Online)** **09:20 - 09:40**

Presentation session 4 Chair: Mr Stefano Fantucci **09:40 – 10:40**

Date Palm Fiber as core material for Vacuum Insulation Panels in Car Painting Booths operating at 50-80 °C **Tarek Raad** **09:40 – 10:00**

Thermal evaluation of Vacuum Insulation Panels with cellulose core material **Mahmood Alam (Online)** **10:00 – 10:20**

Various installation examples of vacuum insulation panel for buildings **Jisun Han** **10:20 – 10:40**

Break + Posters + Exhibition **10:40 – 11:10**

Presentation session 5 Chair: Prof Phalguni Mukhopadhyaya **11:10 – 12:10**

Thermal management of Battery Modules with Vacuum Insulation and Phase Change Material **Klaus Heil** **11:10 - 11:30**

Thermal and Acoustic performance of super insulated façade spandrel modules embedding Glass-Fiber Vacuum Panels **Stefano Fantucci** **11:30 - 11:50**

Application of vacuum insulation panel for thermal protection of electronic thermal management system operating under hot air condition **S Suresh** **11:50 - 12:10**

Lunch + Posters + Exhibition **12:10 - 13:30**

Presentation session 6 Chair: Prof Samuel Brunner **13:30 – 15:10**

The Unified Dynamic Similitude Model Applied to Vacuum Insulation Panels **Oluwamayokun B. Adetoro** **13:30 - 13:50**

Prediction of VIP life by Arrhenius formula **Zhaofeng Chen (Online)** **13:50 - 14:10**

Long-term Performance of VIPs in Refrigerated Shipping Containers **Phalguni Mukhopadhyaya** **14:10 - 14:30**

Presentation session 6 continued

Energy Efficiency of Photovoltaic Thermal System using Al₂O₃-Cu/Water as Hybrid Nanofluid: A Simulation Study **Prashant Dhiman** **14:30 - 14:50**

Energy Characteristics for building space heating using a concrete energy storage system **Manoj Kumar** **14:50 - 15:10**

Break + Posters + Exhibition **15:10 - 15:40**

16th IVIS closure **15:40 – 16:00**

Trip to DakshinaChitra Heritage Museum-08th November 2023 **09:00 – 13:00**