



Fraunhofer



CSIR

Tech Dialogue Series >>

Theme: Sustainable Building Technologies

Research and Industry Interface

15.06.2022 @ 1500 -1630 hrs IST

Jointly Organized by: Fraunhofer Office India and CSIR, DSIR, Govt. of India

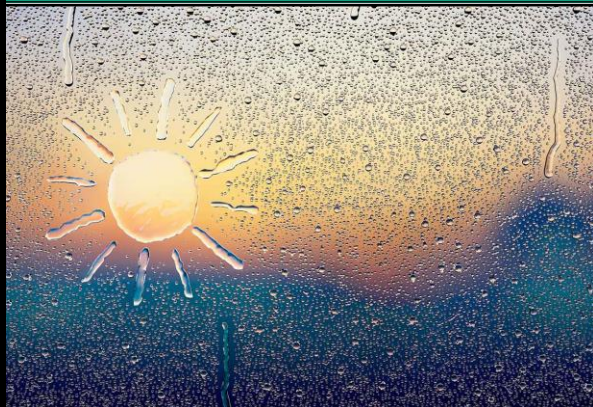
Tech Dialogue on >> “Sustainable Building Materials – Way to Net Zero Emissions” <<

- By Dr. Simon Schmidt, Head of Department “Hygrothermics”

Fraunhofer Institute for Building Physics (IBP), Germany

- By Dr. Ashok Kumar, Outstanding Scientist and Head of Architecture & Planning Group,

CSIR - Central Building Research Institute (CBRI), Roorkee.



Dear Industry Colleagues,

Greetings!!

Innovation is key to creating value for the business, and hence many organizations have been investing in innovation programs. Since employees have the best sense of the current business, employee-led innovation, when conducted well, has the potential to deliver high value to the business.

With this note, we are pleased to inform you that Fraunhofer Office India and Council of Scientific and Industrial Research (CSIR), Department of Scientific and Industrial Research (DSIR), Govt. of India have jointly launched an exclusive Tech Dialogue Series under the MoU, which focuses on topics of Innovation and R&D in the areas of Sustainable Building Technologies, Battery Technologies, Advanced Production Technologies and Water Management Technologies.

The upcoming Tech Dialogue under the theme Sustainable Building Technologies will focus on “Sustainable Building Materials – Way to Net Zero Emissions” and will be held on **15.06.2022 @ 1500-1630 hrs IST**. The session will cover the following topics: “Geo-polymerization based Building Components” and “Waste-to-Wealth - Lightweight / Renewable Materials including Waste to Value Added Products” (TRL 5 & above) developed by Fraunhofer IBP and CSIR Labs, such as CSIR-CBRI, AMPRI, CRRRI, SERC, and others.

This session will be jointly conducted by Dr. Simon Schmidt, Fraunhofer IBP, and Dr. Ashok Kumar, CSIR – CBRI.

Structure of the Tech Dialogue:

Date: 15.06.2022 @ 1500 - 1630 hrs (IST)

1500-1505 hrs: Introduction

1505-1550 hrs: Technical Session by Dr. Simon Schmidt and Dr. Ashok Kumar

1550-1630 hrs: Industry Interaction on industry specific problems under the thematic topics and Q&A

1630 hrs: End of the Tech Dialogue

Platform: MS Teams

Speakers Profile:



Dr. Simon Schmidt

Dr. Simon Schmidt is the Head of the “Hygrothermics” Department at the Fraunhofer Institute for Building Physics IBP since the first half of 2019. In this function, he is responsible for the strategic orientation of the department and is building a strong, worldwide network of research partners and industrial customers.

Prior to this position, he led the newly formed business area Climate Culture Building (CCB) at Fraunhofer Institute for Building Physics. From 2011 to 2014 he was the deputy head of the Chair of Building Physics at the Technical University of Munich and coordinated the administrative and teaching activities. From 2015 till 2016 Dr. Schmidt addressed himself to the task of finalizing his dissertation, which he finished with remarkable success. Dr. Schmidt is a member of the International Society of Indoor Air Quality and Climate (ISIAQ) as well as the International Building Performance Simulation Association (IBPSA). Dr. Schmidt graduated from the Technical University of Munich, one of Germany’s and Europe’s leading technical Universities. He obtained the certificate for teaching in higher education of the Bavarian Universities and advocated in national and international building physics media.

Institute Profile:

The Fraunhofer Institute for Building Physics (IBP) was founded in 1929 and is among the most experienced and established institutes of the Fraunhofer-Gesellschaft. A total of 264 employees work at the three branches in Stuttgart, and Holzkirchen. It has an annual budget of over 27.8 Million Euros, with approximately one third coming from industrial projects. The primary focus of Fraunhofer IBP’s work is on research & development, testing, demonstration, and consulting in the various specialist areas of building physics.



Dr. Ashok Kumar

Dr. Ashok Kumar is the Scientist ‘H’/Outstanding Scientist (Energy Efficient Building Technologies) and Head of Architecture & Planning Group at CSIR - Central Building Research Institute (CBRI), Roorkee. His main area of specialization is Architecture & Planning. His research interests include Sustainable Design, Green & Energy Efficient Buildings, Green Retrofits, Building Physics, Passive Design and Quantification, Life Cycle Energy Assessment, Affordable Housing, Low Cost Housing, Prefabrication, Rural Planning, Smart Buildings & Cities, Smart Villages etc. He has done his Ph. D. from IIT Roorkee in “Performance evaluation and green retrofit strategies for buildings in composite climate”.

He joined CSIR - CBRI during 1990 and over a span of about 32 years, he coordinated and executed several R&D projects (National & International) both Government and Industry funded, successfully. He was a visiting faculty at IIT Roorkee and now a Professor at AcSIR. He has won numerous awards and honours. Dr. Ashok is a member of several committees of Bureau of Indian Standards, National Building Bode, Bureau of Energy Efficiency, Govt. of India. He is currently coordinating important research programs like Building Physics & Materials, CCUS, etc.

The Central Building Research Institute (CBRI), Roorkee, India, was founded in 1947 and has been generating, cultivating, and promoting building science and technology in the country. Since its inception, the Institute has been assisting the building construction and material industries in finding timely, appropriate, and economical solutions to the problems of energy efficient buildings and housing, building materials, health monitoring and rehabilitation of structures, disaster mitigation, fire safety, heritage buildings, etc.

This is one of our exclusive events and we cordially invite you and your company to attend the session. We also request you to kindly extend the invite internally.

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