

ReBuMat Symposium

Date: 14 May 2024

Location: 2nd floor, Library Building, Hanoi University of Civil Engineering, City Campus (55 Giai Phong road, Hai Ba Trung district, Hanoi)

Agenda

08:00 Welcome and introduction

08:30 Sustainable building materials in Vietnam

- Renewable and circular Building Materials in Vietnam (*Prof Dirk Schwede, Technical University Lünebeck*)
- LCA for building materials in Vietnam: Opportunity and Challenges (*Cao Thi Tu Mai, Vietnam Institute for Building Materials*)
- Green Building Design Strategy for a Townhouse in Phnom Penh from Life Cycle Assessment (*Prof Virak Han, Cambodian Institute of Technology*)
- Lotus Certification for Green Building Materials (*Arden Linh Nguyen, Vietnam Green Building Council*)

10:00 Bio-based construction materials in Vietnam I

- Straw Bales as Building Material (*Virko Kade, one straw revolution*)
- Eco-friendly house with compressed stabilized earth blocks using local materials in Vietnam (*Prof Tuan Nguyen, Hanoi University of Civil Engineering*)
- Bio-based materials tested in climatic conditions of Ho Chi Minh City: preliminary results from REBUMAT project (*Prof Quoc-Bao Bui, Ton Duc Thang University*)
- Typha: An Innovative Building Material on the basis of Cattail (*Dr Simon Schmidt, Fraunhofer IBP*)

11:30 Bio-based construction materials in Vietnam: Panel Discussion

12:00 Lunch

13:30 Recycling Materials in Vietnam: Presentations

- Studies on "green" concrete using cementless binders from a mixture of thermal power fly ash, blast furnace slag, and ceramic waste in Vietnam (*Dr Tăng Văn Lâm, Department of Construction, Hanoi University of Mining and Geology*)
- Research on using steel slag as building material in Vietnam (*Mr. Tạ Văn Luân, Vietnam Institute for Building Materials*)
- Green construction material production model towards circular economy (*Mr. Kiều Văn Mát, Sông Đà Cao Cường*)
- Transitioning towards circular construction to advance sustainable development (*Prof Dirk Schwede, Technical University Lünebeck*)

15:00 Recycling Materials in Vietnam: Panel Discussion

15:30 Co-creating future solutions: Towards a research and collaboration agenda

Workshop: *How to build trust, convince clients, change minds, collaborate, innovate and transform the building sector?* (*Dr Ravi Jayaweera & Bao Tran Ho, TU Lünebeck*)

16:30 Conclusions and way forward