

Speakers



Dr Atul Bora

Principal
Assam Engineering College



Dr Hemanta Doloi

Senior Lecturer in Construction
The University of Melbourne



Prof. Mark Burry

Professor in Urban Futures
The University of Melbourne



Dr Robert Crawford

Senior Lecturer in Construction
The University of Melbourne



Dr Dominique Hes

Senior Lecturer in Sustainable Architecture
The University of Melbourne



Dr David Week

Postdoctoral Research Fellow
The University of Melbourne

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Growing Capacity in Assam

Cross-cultural analysis and capacity building
in construction management practices
focusing on housing and infrastructure sectors
in Assam and Australia

Workshop Program
13-16 December 2016

Construction Management for the Development of Assam

DAY 1 - TUESDAY, 13 DECEMBER 2016

Chair: Dr H Doloi

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| 9.00 am | Welcome to attendees and workshop overview (Dr A Bora)
Overview of Construction Management Program (Dr A Bora) |
| 9.45 am | Morning Tea |
| 10.00 am | Subject Insights: Digital Modelling (Prof. M Burry) <ul style="list-style-type: none">• What is a 'flexible model': Introducing 'parametric design' and 3D modelling• Introducing the flexible 3D model |
| 12.00 pm | Tiffin |
| 1.00 pm | Subject Insights: Remote Rural Construction Management (Dr D Week) <ul style="list-style-type: none">• The challenge of remote housing and infrastructure• Case studies: Timor Leste, Aceh, Lao PDR• Contracting and managing remote construction: application to Assam |
| 3.00 pm | Afternoon Tea |
| 3.15 pm | Subject Insights: Project Management (Dr H Doloi) <ul style="list-style-type: none">• Fundamentals of project management• Integrated project control and delivery• Project evaluation and management |
| 5.00 pm | Close |

DAY 2 - WEDNESDAY, 14 DECEMBER 2016

Chair: Dr H Doloi

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| 9.00 am | AEC Construction Management Program Launch <ul style="list-style-type: none">• Honourable Minister(s) and Government Officials |
| 10.00 am | Morning Tea |
| 10.30 am | Subject Insights: Sustainability (Dr D Hes) <ul style="list-style-type: none">• Why sustainability?• What is sustainability in construction?• Applying these ideas to Assam• What more would you like to know? |
| 12.30 pm | Tiffin |
| 1.30 pm | Subject Insights: Improving the Performance of Construction (Dr R Crawford) <ul style="list-style-type: none">• Environmental assessment• Supply chain management• Prefabrication |
| 3.30 pm | Afternoon Tea |
| 3.45 pm | Q&A Session: Teaching and Learning in Construction Management <ul style="list-style-type: none">• Expert panel from AEC and The University of Melbourne |
| 5.00 pm | Close |

Affordable Housing for Smart Villages

DAY 3 - THURSDAY, 15 DECEMBER 2016

Chairs: Dr D Hes and Dr D Week

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| 9.00 am | Welcome to attendees and workshop overview (Dr H Doloi) |
| 9.30 am | Round Table 1: The Local Context in Assam <ul style="list-style-type: none">• What do villages do well?• What are the constraints villages face?• Where are the opportunities?• Where are the local risks? |
| 10.30 am | Morning Tea |
| 10.45 am | Round Table 2: Stakeholder Expectations <ul style="list-style-type: none">• What do people want for their houses?• What does the government want to see, e.g. for health?• How do we prioritise these in terms of need and difficulty? |
| 12.00 pm | Tiffin |
| 1.00 pm | Round Table 3: Possible Solutions <ul style="list-style-type: none">• What are the possible solutions?• How can they be demonstrated in the AEC Demo Building? |
| 2.00 pm | Creating Smart Villages (Prof. M Burry) <ul style="list-style-type: none">• How to handle variations of culture, family, climate, terrain, materials• Digital workbench for Smart Villages |
| 3.15 pm | Afternoon Tea |
| 3.30 pm | Round Table 4: Smart Village Aspirations |
| 5.00 pm | Close |

Research for Smart Villages in Assam

DAY 4 - FRIDAY, 16 DECEMBER 2016

Chair: Dr H Doloi

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| 9.00 am | Welcome
Overview of project objectives, activities and roadmaps |
| 9.30 am | Position papers <ul style="list-style-type: none">• Doctoral Research Project 1 (Ms Velyne Katharpi)• Doctoral Research Project 2 (Mr Arup Deka)• Challenges and Opportunities in Rural Assam (By IITG Colleagues) |
| 11.00 am | Morning Tea |
| 11.30 am | Village Census <ul style="list-style-type: none">• Progress on data collection, modelling and reporting |
| 12.30 pm | Tiffin |
| 1.30 pm | Stakeholders' Insight <ul style="list-style-type: none">• Identification of relevant stakeholders• Collection of empirical data |
| 3.30 pm | Afternoon Tea |
| 3.45 pm | Project Governance <ul style="list-style-type: none">• Establishment of advisory committee |
| 5.00 pm | Close |



CONSTRUCTION MANAGEMENT

In collaboration with the Government of Assam and The University of Melbourne, a cutting-edge professional course in Construction Management has been developed at the Assam Engineering College, under the leadership of Dr Atul Bora. Join us for the official launch and a series of lectures covering core knowledge areas.



INDUSTRY WORKSHOP

Interested stakeholders are invited to explore opportunities for creating affordable, sustainable, context specific housing in the Smart Village context. This hands-on workshop will help define an appropriate house type and configuration, sufficiently flexible to meet the future needs of Assamese villagers.



RESEARCH WORKSHOP

This workshop provides an overview of on-going collaborative research between the Government of Assam and The University of Melbourne. This research explores the socio-economic and environmental characteristics of Assamese villages as well as local capabilities, and resource availabilities, in order to build local capacity for creating Smart Villages.