

Hemanta Doloi, BE, ME, PhD, MIEAust, MAIPM

Associate Professor (Construction Management)

Director (Smart Villages Lab)

Chair (Int Con on Smart Villages and Rural Dev - COSVARD)

Convener (Global Seminar Series on Smart Villages – GSSV)

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Executive Summary

Hemanta is currently the Director of the Smart Villages Lab (SVL) which focuses on the data-driven research in the area of 'rural construction and development' under the auspice of the Smart Villages program. He leads the trans-disciplinary research in smart villages for developing solutions for affordable housing and infrastructure systems, with a particular focus on maximisation of social value and empowerment within the rural communities. Notably, the Smart Villages research closely aligns with the Society 5.0 target as set out in 2016 through the 5th Science and Technology Basic Plan in Japan¹. It also contributes to the emerging body of knowledge on smart development models targeting the rural communities predominately residing in the developing countries.

Hemanta conducts significant conceptual and empirical research and advance the Construction Management discipline in Australia and internationally focusing on four key areas: (1) Project Management, (2) Infrastructure Planning and Policy (3) Construction Economics and Management and (4) Rural Construction and Smart Villages. Through his wide-ranging publications, Hemanta has contributed significant new knowledge in public discourse and enhanced professional practices in the areas of project management, infrastructure planning and policy, social procurement, construction economics and management and Smart Villages. Evidently, Hemanta's research has provided significant insights in the deliberation of a Parliamentary Enquiry Committee of the Victorian Government responsible for raising highrise apartment buildings in Victoria². Hemanta's research has also been supporting the Asian Development Bank (ADB) on policies for procurement of large infrastructure projects^{3,4}.

His research in Project Management resulted in a unique Project Management model know as **Lifecycle Project Management (LCPM)** enabling management of projects with a particular focus on the entire lifecycle phases of projects starting from concept development through to operation and recycling phases.

Among many contributions, one of the key outcomes of his Infrastructure Planning and Policy research was the development of a new **Social Value Model (SVM)** enabling quantitative measurement of social value outcomes in infrastructure projects.

Leveraging the expertise, research and wide-ranging contributions in the mainstream construction and project management fields, he has now embarked upon the **Rural Construction and Smart Villages** research with a particular focus on alternative and sustainable development models for empowerment of over 40% rural population across the globe. Through his major collaborations with the Government of Assam, India, he has successfully launched a major Smart Villages research program focusing on affordable housing, rural infrastructure and data-driven smart planning, development and governance models. The research has shown significant implications in context specific implementations of the UN's Sustainable Development Goals (SDGs) and develop the rural population towards greener, sustainable, resilient and zero-carbon communities.

Hemanta's Smart Villages research is particularly expanding and impacting at a global level. In recognition of his effort to improve lives of rural communities through the Smart Villages research, Hemanta was recently awarded two consecutive prestigious awards, "Nelson Mandela Leadership Award 2023" and "Hind Rattan (Jewel of India) Award 2024" by the NRI (Non-Resident Indian) Welfare Society of India. In 2012, Hemanta also won the Australian Institute of Quantity Surveyor's "Infinite Value Award in Teaching and Research" – recognising the excellence of scholarships impacting the wider community in the profession. He serves as Associate Editors, Guest Editors and Editorial Members of a few prestigious journals including the International Journal of Project Management, Built Environment Project and Asset Management and Construction Innovation: Information, Process, Management. He is a founding Chair of the International Conference on Smart Villages and Rural Development (COSVARD). He is also the Convener of the Global Seminar Series on Smart Villages (GSSV) facilitating continuous discussions on prevailing and emerging knowledge, expertise and practices in sustainable development Smart Villages globally.

¹ <https://www.msit.go.kr/eng/>

² <https://new.parliament.vic.gov.au/get-involved/inquiries/inquiry-into-apartment-design-standards/reports/>

³ <https://www.adb.org/sites/default/files/publication/479396/potential-ppp-asia-infrastructure.pdf>

⁴ <https://www.adb.org/sites/default/files/publication/435871/ewp-548-hazard-analysis-ppp-projects.pdf>

Qualifications:

Feb 2018 – Aug 2018
Jul 1999 – Jan 2003
Jan 1993 – Aug 1994
Aug 1987 – Aug 1991
March 2005- Onwards
March 2021- Onwards

Graduate Certificate in University Teaching (GCUT), The University of Melbourne
Doctor of Philosophy (PhD), The University of Sydney, Australia
M. Eng. in Civil Engineering, Asian Institute of Technology (AIT), Bangkok.
B. Eng. in Civil Engineering, Dibrugarh University, Assam, India.
Professional Member of Engineers Australia.
Professional Member of Australian Institute of Project Management Australia.

Professional roles:

Jan 2020 – Onwards

Associate Professor, Faculty of Architecture, Building & Planning, Uni of Melbourne
Specialisation Coordinator (Project Management)

Feb 2008 – Dec 2019

Senior Lecturer, Faculty of Architecture, Building and Planning, University of Melbourne

Jan 2005 – Jan 2008

Lecturer, Faculty of Architecture, Building and Planning, The University of Melbourne

Jan 2015 – May 2015

Visiting Professor, Dept. of Civil Engineering, IIT Madras, Chennai, India

Jan 2010 – May 2010

Visiting Professor, Dept. of Civil Engineering, IIT Delhi, New Delhi, India

Aug 2003 – Jan 2005

Senior Post Doctoral Researcher, Dept. of Civil Engineering, The University of Sydney

Jan 2003 – July 2003

Project Manager, Environment & Heritage Programme

July 1999 – July 2003

Resident Engineer (Part time), Facilities Management, The University of Sydney

Mar 2003 – Dec 2004

Lecturer (Casual Academic Appointment - Civil Engineering)

Mar 2003 – Dec 2012

Adjunct Academic Department of Civil Engineering, The University of Sydney

Aug 1994 - Oct 1996

Civil Engineer (Full time), Joint Venture BBCT (Bilfinger+Burger), Bangkok

Nov 1996 - Jul 1999

Senior Civil Engineer (Full time) Joint Venture BBCT (Bilfinger+Burger), Bangkok.

Fellowships:

1. Postdoctoral Fellowship 2004-2006 (ARC Discovery Grant: DP0450191, University of Sydney, Australia)
2. Postdoctoral Fellowship 2003-2004 (The University of Sydney, Australia)
3. Dyason Fellowship 2013-2014 (The University of Melbourne, Australia)
4. Global Initiative of Academic Networks (GIAN) Fellowship, Nov'15, Ministry of Human Resources, Govt. of India, New Delhi.

Awards:

1. Nelson Mandela Leadership Award 2023, Oxford University, UK, NRI Welfare Society of India
2. Hind Rattan (Jewel of India) Award 2024, New Delhi, India, NRI Welfare Society of India
3. AIQS's "Infinite Value Award in Research and Teaching - recognising the excellence of scholarships impacting the wider community in the profession", November 2012, Melbourne, Australia⁵;
4. 2018 Outstanding paper – Built Environment Project and Asset Management Journal
5. 2018 Outstanding Paper – International Journal of Disaster Resilience in the Built Environment
6. Best Technical Paper Award –RICS COBRA 2013 conference, Sept 2013, New Delhi, India;
7. Best Academic Paper Award - 36th AUBEA Conference, Apr 2011, Gold Coast, Australia.

Competitive Scholarships (academic):

1. University Postgraduate Award (UPA) Scholarship 2000 (University of Sydney, Australia)
2. Integrated Facility Engineering (IFE) Scholarship 1999 (University of Sydney, Australia)
3. Govt. of Denmark Scholarship 1993 (Asian Institute of Technology, Bangkok, Thailand).

Selected Keynotes, Invited Speeches and roundtable discussions

1. Doloi, H. (2023), Smart data-driven approach for developing resilient society, The 2nd International Conference on Construction Resources for Environmentally Sustainable Technologies (CREST 2023), Nov 20-22, Fukuoka International Congress Center, Kyushu University, Fukuoka, Japan.
2. Doloi, H. (2022), Infrastructure Issues in River Bank Control – A community centric approach, International Conference on Sustainable Technologies for River Erosion Alleviation and Management (STREAM – 2022), jointly organised by IIT Guwahati and Brahmaputra Board (Ministry of Jal Sakti, Govt of India), Guwahati, 14-16 Dec.
3. Doloi, H. (2020), LGSF/CFS Construction Technology Combining Bamboo Panels for Mass Housing in India, Hiju Steel LGSF, New Delhi, India, 19 Feb 2021.
4. Doloi, H. (2020), Research-led development of Smart Villages in Assam – A perspective on Indigenous Housing Systems and ecosystems, 24 July 2020, BBE, Kokrajhar Assam, India
5. Doloi H. (2020), Research Culture and Role of Education for Smart Villages in Assam, 09 Aug 2020, KHS College, Guwahati, Assam, India.

⁵ <http://musse.unimelb.edu.au/february-13-103/infinite-value-research-and-teaching>

6. Doloi H. (2020), Research culture, research capacity and research-led development of Smart Villages in Assam, 15 July 2020, JEC, Jorhat, Assam, India
7. Doloi H. (2020), Sustainability and Smart Villages in Rural India, 21 Sept 2020, NIT Rourkella, Odisha, India
8. Doloi H. (2019), Community Centric Project Assessment and Intervention Model for Optimising Social Value Creation, the 4th Global Procurement Conference, 8-9 July, Tor Vergata University of Rome, Italy.
9. Doloi H (2020), Steel in Construction towards sustainable infrastructure development, 23 Nov 2020, CIDC, New Delhi, India
10. Doloi, H. (2018) "Opportunities and challenges in Infrastructure development – role, responsibilities and relevance of academic institutions" (Keynote) International Conference on Infrastructure Development (ICID-2018), Jorhat Engineering College, 21-22 Dec 2018 Jorhat, Assam India.
11. Doloi, H. (2018), "Sustainable Infrastructure and sustainable Construction Management Practices" (Keynote), 1st International Conference on Civil Engineering for Sustainable Development: CESDOC 2018, 19-20 Dec, Assam Engineering College, Guwahati, Assam, India.
12. Doloi, H. (2016), "Social dimension of sustainability equation - does it matter?" (Keynote), 1st International Conference on Civil Engineering for Sustainable Development: CESDOC 2016, 19-21 Dec, Assam Engineering College, Guwahati, Assam, India.
13. Doloi, H. (2016), Advancing the Civil Engineering Profession and Achieving sustainable outcomes – Is it Complementing and Contradicting? (Keynote), International conference on Advances in Civil Engineering and Sustainable Construction, ACESC 2016, 30 Mar – 01 Apr 2016, Dept of Civil Engineering, SRM University, Ramapuram Campus, Bharathi Salai, Chennai, India.
14. Doloi, H. (2016), Analysing success and failure of infrastructure projects in a societal context - Lessons learnt from Australian projects (Invited Speech), 29 Mar 2016, Faculty of Technology, CEPT University, Ahmedabad, Gujrat, India.
15. Doloi, H. (2015), Modernistic Construction Management Practice – working towards creating a balance between the project and the society with a whole of life approach (Keynote), National workshop on Modernistic Management Practices in Construction Industry MMPCI 2015, 20 Feb, Department of Civil Engineering, SRM University, SRM Nagar, Tamil Nadu, India.
16. Doloi, H. (2015), Understanding the role and responsibility of Civil Engineering profession in building infrastructures in 21st Century (Keynote and paper), National Conference on Quest for Advancements in Civil Engineering QACE 2015, 19-20 Mar, Department of Civil Engineering, Ramapuram Campus, SRM University, Ramapuram Campus, Chennai, India.
17. Doloi, H. (2015), Issues related to infrastructure projects in Australia and anywhere including India (Invited Speech), 24 March, Department of Civil Engineering, IIT Madras, Chennai, India.
18. Doloi, H. (2015), Infrastructure Planning and Development - Analysing success and failure of infrastructure projects with Australian examples (Invited Speech), 23 May, Basaveshwar Engineering College, Bagalkot, Karnataka India.
19. Doloi, H. (2014), Construction Risk Management –Best Practice or Current Practice? (Invited Speech), Construction Risk Summit, 1-2 Apr 2014, Melbourne Convention Centre, Melbourne, Australia.
20. Doloi, H. (2013), Stakeholders Management in Infrastructure Projects (invited speech), RICS School of Built Environment, 14 Oct 2013, Amity University, Delhi, India.
21. Doloi, H. (2013), Social Value in Planning and Development (Invited Speech), NRCL's West Cranbourne Project Development workshop, 03 Jun 2013, Royal Botanic Garden, Cranbourne, Victoria, Australia.
22. Doloi, H. (2013), Novel Research Methods in Project Management, Research Discussion Panel, International Research Conference IRNOP 2013, BI Norwegian Business School, Oslo, Norway.
23. Doloi, H. (2012), Social Value Creation (Invited Speech), Designing 2050 Forum, Melbourne, 06 Dec 2012, organised by Create Innovation, Integral Development and the author of Designing 2050, Dr Peter Ellyard, Design Hub, Melbourne, Australia.
24. Doloi, H. (2010), Multi-criteria decision modelling for analysing sustainable management strategy (Keynote) Symposium on Coastal Zones and Climate Change: Assessing the Impacts and Developing Adaptation Strategies, 12-13 Apr, Monash University, Gippsland, Victoria, Australia.
25. Doloi, H. (2010), Indian Infrastructure and its future, Roundtable Discussion on Indian Infrastructure and its future, IIT Madras, Chennai, India.
26. Doloi, H. (2008), PPP – Life Cycle Project Management - A Systems Based Approach to Managing Complex Projects (Invited Speech), Construction rethinking, a breakfast seminar organised by Chartered Institute of Building (CIOB) and Australian Institute of Project Management (AIPM), 19 Nov 2008, Hyatt Regency Perth, Perth, Australia.

Editorships

1. Lead Guest Editor of the Special Issue "Smart Villages, Rural Infrastructure and Sustainable Development" for the Emerald journal of Built Environment Project and Asset Management (BEPAM), Vol 12, Issue 3 (2022).
2. Lead Editor of the Special Issue "Social Value of Infrastructure Projects: Design, Construction and Global Practices" for the Emerald journal of Built Environment Project and Asset Management (BEPAM)
3. Associate Editor of the Journal of "The Institution of Engineers (India): Series A" (a joint publication of Springer Nature and IEI)
4. Associate Editor of the Journal "Built Environment Project and Asset Management (BEPAM)" Elsevier Publication.

Editorial/Review Boards

1. "International Journal of Project Management", Editorial board member, Elsevier publication (2016 onward)
2. "Built Environment Project and Asset Management", Review Board member, Emerald publication (2015 onward)
3. "International Journal of Construction Project Management" Review Board member Nova Publication (2012 onward)

Service to the external community (academic)

4. 2010 onwards: Assessor for Australian Research Council's (ARC) Discovery, DECRA, Linkage and Future Fellowship schemes, Industrial Transformation Training Centres scheme.
5. 2012 onwards: International Reviewer – Qatar National Research Foundation, Qatar.
6. 2009 onwards: International Reviewer – Project Management Research Grants, PMI, USA.
7. Reviewer for major international journals, conferences including referees for promotion applications in leading universities
8. Scientific committee members and reviewers of the international conferences such as IRNOP2013, PMI Research Conference, RICS COBRA, CIB conferences, AUBEA, Building Resilience.
9. External PhD Examiner– examined over Ten PhD Theses for Australian and overseas universities.

Research Supervision of PhD students

1. Xiaohua Jin "Framework for efficient risk allocation in public-private partnership projects using neuro-fuzzy techniques" (passed)
2. Essam Almahmoud, "Social sustainability health check: a model for evaluating and optimising social value creation in construction projects" (passed)
3. Citra O, "Development of an Integrated Risk Assessment Framework for Critical Infrastructure and Building Community Resilience" (passed)
4. Ling-She "Understanding the conditions of trust between governance and management within project alliancing" (passed)
5. Arif R. "Stakeholders' perspective on achieving project social benefit from Indonesian toll roads" (passed)
6. Velyne K "Ethno-Architectural Contextualization of Housing for Smart villages: A Multi-case study in Assam" (passed)
7. Abdullatif A "Development of a BIM-based implementation framework for improving the performance of Tanzanian Infrastructure Projects" (passed)
8. Sajal C. "Proposing 'Environmental Experience Design' methodological framework of dwellings for young female garment worker's mental wellbeing in Bangladesh" (commenced, Jan 2020)
9. Dorsa F. "The proposed discomfort-driven environmental experience design model for energy-saving behaviour of university student accommodation in Melbourne" (commenced, Nov 2021)
10. Nayanika B. "Stakeholder Engagement in the Construction and Procurement Process of Buildings to Promote Sustainable Development – An Indian Context" (commenced, Dec 2022)

Staff Supervision/ PDF responsibility

Name of student	Role	Commencement	Institution	Source of funding
Dr Sally Donovan	Postdoctoral Fellow	Nov 2018 – Feb 2020	Uni of Melbourne	External (Assam Project)
Dr David Week	Postdoctoral Fellow	Nov 2016 – Nov 2018	Uni of Melbourne	External (Assam Project)
Geoff Kimm	Research Fellow	April 2017 – Apr 2018	Uni of Melbourne	External (Assam Project)
Dr Alessandro Liuti	Research Fellow	May 2019 – Dec 2019	Uni of Melbourne	External (Assam Project)
Dr Mehdi Amirkhana	Research Fellow	March 2019 – Dec 2020	Uni of Melbourne	External (Assam Project)
Dr M Karamloo	Research Fellow	Oct 2022 – current	Uni of Melbourne	External (PAIR Project)
Murali Nathan	Research Fellow	Aug 2022 – current	Uni of Melbourne	Internal (FlexAP Project)

Teaching and Learning

1. ABPL90323: Construction Scheduling – Semester 2 (2012 onwards) – Masters
2. ABPL90030: Project Evaluation - Semester 1 (2005 onwards) – Masters
3. ABPL90028: Project Management (Capstone) – Semester 1 (2019 onwards) – Masters
4. ABPL90028: Project Management in Theory -Semester 1 (2005 - 2014) – Masters
5. ABPL90025: Project Management in Practice -Semester 2 (2005 -2012) – Masters
6. ABPL90035: Project Risk, Quality and Procurement Management -Semester 2 (2006-2008) – Masters
7. ABPL90313: Management of Construction (2014 onwards) – Masters
8. ABPL702444: Research Methods (2006-2010) – Masters
9. 702 414 Project Management - Semester 2 (2005-2011) - Undergraduate

End of Subject Survey (ESS) results (2021-22)

Year (responses)	Intellectually stimulating	Expectations, including assessment requirements	Feedback	Resources and materials provided	Interaction and engagement	Overall learning experience
Project Evaluation (ABPL90030)						
2022 (15)	4.60	4.27	4.53	4.47	4.40	4.40
2021 (21)	4.24	4.10	4.10	4.05	4.05	4.10
Construction Scheduling (ABPL90323)						
2022 (6)	3.83	4.00	3.83	3.67	4.00	3.67
2021	Not available					
Project Management (ABPL90028)						
2022 (38)	4.08	3.92	4.13	4.03	4.21	3.82
2021	Not Available					

Students Experience Survey (SES) results (2016-18)

	Intellectually stimulating	Well-coordinated	Supported by useful learning resources	Well taught	Required to work at a high standard	Assessment tasks useful in guiding my study	I received I learnt new valuable	feedback on approaches my progress and/or skills	I learnt to apply knowledge to practice	Part of a group committed to learning
Project Evaluation (ABPL90030)										
2018	4.06	3.94	3.94	3.91	4.29	3.94	4.03	4.32	4.06	4.21
2017	4.67	4.33	4.62	4.43	4.57	4.52	4.38	4.81	4.67	4.71
2016	4.33	4.27	4.47	4.40	4.73	4.67	4.60	4.73	4.60	4.60
Construction Scheduling (ABPL90323)										
2018	4.08	4.00	4.13	4.10	4.30	4.03	3.90	4.18	4.08	4.13
2017	4.10	4.10	4.23	4.18	4.25	4.20	3.93	4.35	4.15	4.26
2016	4.11	3.97	4.13	3.87	4.18	4.16	3.95	4.38	4.24	4.41
Project Management (ABPL90028)										
2018	4.21	4.11	4.13	4.05	4.25	4.16	4.01	4.26	4.21	4.34
2017	4.23	4.12	4.15	3.81	4.42	3.96	4.23	4.35	4.12	4.23
2016	3.71	3.42	3.67	3.53	3.90	3.68	4.06	4.00	3.90	4.00

Feedback and improvement on teaching

Project Evaluation (ABPL90030)	Changes implemented
Remote access to the computers is extremely difficult and ineffective	This was the case during Pandemic lockdown. I had to bring a compromise to limit the software to just one, which was Microsoft Project. Primavera P6 was made optional which was impossible to connect over Citrix Desktop.
There should be more lectures and emphasis on SNA. Mathematical side of things very difficult and dry to learn	A few additional lectures have been integrated for supporting the SNA based research and data analysis techniques. One more tutorial session has been added for supporting the mathematical calculations.
Lecture capture of this subject would help	The venue has now been shifted with the lecture capture facilities.
Three assignments and one presentation are too much. Interim submissions will be helpful to receive feedback	The assignments have now been reduced to only two and this changes have now been incorporated in Semester 2, 2019. Work in progress for both assignments has now been incorporated as interim submissions.
Construction Scheduling (ABPL90323)	
1 hr lecture is not enough. More technical solutions in lecture are required	Since 2018, the lecture hour has been increased to two hours followed by two hours lab-based tutorial sessions.
Too much workload which require huge after school time and ask for more effort	While the requirement of two assignments is unchanged, the scope is reduced by splitting the deliverables into smaller components. The deliverables have been clearly aligned for ensuring progressive development of professional scheduling skills in the class.

A few more tutorial sessions should be spent on Primavera P6 as it's much more complex than MS Project	Two more lab based tutorial sessions have been added for supporting the learning of the students on a demand basis. Usually P6 being a complex program, it is introduced towards the latter part of the semester and the assignment work using P6 is optional. Thus demand based support for specific groups of students is considered to be appropriate.
Project Management (ABPL90028)	
Being a capstone subject, practical insights in project management is necessary (informal input by students).	As the subject is offered by for the first time in Sem 1, 2019, role-based arrangements for understanding the project development processes from beginning to end is being incorporated in the class. Regular Industry-based Q&A panels has also been incorporated in the class.

Consulting and Professional Activities:

Government consultancy:

1. Academic Expert Review for Queensland Auditor's Office (March 2007) - reviewing the audit reports on 17 major projects conducted by the Auditor General, Queensland on "Cost Escalation" issues. Remedial recommendations were provided as requested.

Corporate Consulting courses (selected):

1. Controlling construction project cost, schedule and execution in Australia- a 2-Day Corporate Training course to 45 industry participants, 25-29 Aug, Sydney and Perth
2. Project Economics and Financial Decision making – a 2-Day Master Class for over 25 Corporate participants in Papua New Guinea- 05-05 August 2013.
3. Integrated Cost and Schedule Control in Modern Projects, 14-15 Jan in KL and 17-18 Jan 2011 in Singapore.
4. Project Financial Evaluation and Management - Post Global Financial Crisis taking into account many new lessons we learnt during the financial crisis, 15-16 Nov 2010 in KL, Malaysia.
5. Project Risk & Uncertainty Management - The Global Financial Crisis Pressure", 14-15 June 2010 in KL.
6. Risk and Uncertainty Management", 12-13 Jan in KL and 19-20 Jan 2009 in Singapore.
7. Financial Eval. and Analysis", 8-9 Dec in KL and 11-12 Dec in Hong Kong, 15-16 Dec 2008 in Singapore.
8. Risk Modelling and Project Appraisal", 18-21 Feb in KL, Malaysia and 25-26 Feb 2008 in Hong Kong.
9. Financial evaluation, modelling concepts and stakeholder's impact assessment for managing projects", Training for Senior Management in Motorola (China), 7-9 July 2005, Motorola (China), Beijing, China.
10. R&D Project Management", Training for senior management in the Chinese National Petro-Chemical (CNPC) (China), 01-08 March 2007, Melbourne.

Industry-academic engagement (international):

11. Infrastructure Project Modelling - a 2-week professional training course to over 45 participants from industry and academia, 27 July – 8 Aug 2016, Global Initiatives of Academic Network (GIAN) program sponsored by the Government of India, IIT Guwahati, Assam, India.

Community Engagements:

1. Co-founder of the **Society for Empowerment, Service and Training Australia (SESTAA)**, a Non-Govt Organization (2007)
Project includes:
 - Active participation in fund raising events such as Indian Cultural nights in Box Hill in Oct 2010, Christmas Food Stall in Northcote in 2010, Harmony Day Stall in Box Hill in 2011, 2012, Global Fiesta in Whitehorse in 2013, Lions Club, Box Hill in May 2011.
 - Building ramps in Flood Shelters and installing toilets for disable access in the flood prone village in Dhemaji, Assam, India
 - Building fresh water wells in Orphanage House, "Sisugriha" in Guwahati, Assam, India
1. Building an IT data center for distant support of Speech Therapy in Orphanage House, "Prerona" in Jorhat, Assam, India
2. Ongoing support for building capacities in Disability Awareness program, Disability Identification and services, Assam, India.
3. Co-founder of the **Victorian Assamese Community group (Vic Assam Inc.)**– a registered association for supporting and developing Assamese community in Victoria, Australia (2010)
4. Secretary for **Vic Assam Inc.** (2010-2012)
5. President of **Assam Association Melbourne Inc.** (2021-2022)
6. Editor-in-Chief for the annual community magazine "**ENAJORI**" for Vic Assam Inc.

Media coverage (selected):

1. Solar panels in shopping centers and sustainability – *The Age*, (26 Feb 2019)
2. Is Australia Falling Behind on Construction Productivity? – *Sourceable* (29 Oct 2015)
3. Are Drones Improving Productivity or Impeding Privacy? – *Sourceable* (15 Jun 2016)
4. Escalating cost of the national broadband network - *The Age and Sydney Morning Herald* (14 Aug 12)
5. Escalating cost of the national broadband network - *The Standard* (15 Aug 12)
6. The Infinite Value Research and Teaching – *MUSSE*, Ed.103 (Feb 13, 2013)
7. Project Management - We have to tools – *MUSSE*, (24 June 2009)
8. Pedagogy of the distant education in project management – *Financial Review* (10 Oct 2006)
9. Leading Project Management education of MBA – *Financial Review* (12 Jun 2006)
10. Evolving industry inspires a growing theoretical base - *Financial Review* (4 October 2007)

Funded Research Projects:

1. Assessment of policy coordination and communication in the development of the Makassar-Parepare railway line, South Sulawesi, Indonesia (Australia-Indonesia Research Partnership Grant number: *H Doloj - Lead*, Value: \$75,000, funding period: 2022 – 2022);
2. Design and development of a professional competency-based Teaching & Learning model for reflective education (University of Melbourne Chancellery FlexAP Academic Program, Value: \$36,500, funding period: 2022 – 2023);
3. Cross-cultural analysis and capacity building in construction management practices focusing on housing and infrastructure sectors in Assam and Australia (*Dr H Doloj - Lead; Government of Assam*, Value: \$1.9 million 2016-2019);
4. The Practice of Stakeholders' Engagement in Infrastructure Projects - a comparative analysis on two major projects in Australia and the UK (*Dr Doloj and Dr Pryke, UCL; RICS Trust Fund, London*, Value: £12,000);
5. Making better decisions about built assets: learning by doing (*ARC Linkage Proj.* \$180,000 with Bond Uni 2009)
6. Management of Complex Assets using Smart Information System (*ARC Discovery Project*, \$258,000, 2004-06)
7. Developing an Intelligent Project Management Information System (*ARC Discovery Project*, \$130,000, 2003-05)
8. Development of a Life cycle project management model for optimising front-end decision making in capital projects (*UPA scholarship, University of Sydney*, 2000-2003)
9. Building adaptive capacity for sustainable management of coastal cities due to climate change (*supported by APN Global Research in collaboration with Monash University*, value US\$80,000; 2007-10)
10. Cost estimations and why it fails in Project Management (*RICS Edu. Trust, London*, 2006-08, value £5,000)
11. Framework for optimising design and management decisions on complex infrastructure (*UoM*, 2005, Val \$5,000)
12. Development of a computer supported self-assessment capability for assessing competency development in project management education (*Melbourne University*, 2006-2008, value \$50,000)
13. Developing capabilities for accurate cost management in infrastructure projects (*Melb Uni*, 2007, value \$15,000).
14. Developing a model for managing risks associated with the water infrastructure network and developing resilience for community, *Melbourne University Near Miss grant* (Value. \$5,000).
15. Research Development Grants in 2015-2016: Data Mining for Design Value in Australian Workplaces (*with Dr Peter Raisbeck and Dr Chris Heywood, Hassell Ltd.*, Value \$20k)
16. Carlton Connect 2015-16: Seacombe West Australia, First regenerative development (*with Dr D Has*, \$40k).
17. MUtopia in 2010-2013: A collaborative-interdisciplinary platform for visualization, simulation and testing innovative ideas of future sustainable urban development (*with Fender Katsalidis Architects*, Value \$200k)
18. Development of models for quantifying stakeholders' impact in infra project development, (*UoM*, 2014, \$5,000).

Books:

1. **Doloj, H.** (2024), *Infrastructure for Smart Villages*, 1st Edition, April, Routledge, UK
2. **Doloj H,** Green R and Donovan S. (2019), *Planning, Housing and Infrastructure for Smart Villages*, Taylor & Francis (Routledge)
3. **Doloj, H.** and Donovan S. (2020), *Affordable Housing for Smart Villages*, December, Routledge.

Book Chapters:

1. **Doloj, H.** (2024) *Social Value in Procurement – Incorporating Inclusivity and Equity in a Societal Context*, Routledge Handbook of Construction Project Procurement and Delivery: Fundamentals, Trends and Imperatives (the 'Work') Ed. M. Kumaraswamy, doi: 10.1201/9781003351269-22
2. **Doloj, H.** (2024). *Managing Requirements, Scope and Configuration*, Gower Handbook of Project Management 6th Ed, Chap 10 (Ed.) Profs. R Turner & M Huemann, Gower Publishing Ltd. UK. doi: 10.4324/9781003274179-10
3. **Doloj, H.** (2023). *Project Schedule Management in Developing Countries* (Ch 6), Ed. Prof G Ofori, *Building a Body of Knowledge in Project Management in Developing Countries*, World Scientific Publishing Company, Singapore, https://doi.org/10.1142/9789811224720_0006.

4. **Doloi, H.** (2020). Stakeholder Engagement in Major Infrastructure Projects. *Routledge Handbook of Planning and Management of Global Strategic Infrastructure Projects* (pp. 135-154), Dec, Routledge. doi:10.1201/9781003036388-6.
5. **Doloi H.** (2015), Key Factors of Relational Partnerships in Project Management, in *Handbook on Project Management and Scheduling*, Chapter 46 (Eds.) C. Schwindt and J. Zimmermann, Springer International Publishing, Switzerland, ISBN 978-3-319-05914-3, Vol.2 pp.1047-1061
6. **Doloi, H.** (2014), Managing Scope and Configuration, in *Gower Handbook of Project Management*, 5th Ed, Chapter 10 (Ed.) Prof. R Turner, Gower Publishing Ltd. UK, ISBN 9781472422965, pp.161-178.
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8. **Doloi, H.** (2013), Appl. of Behavioural Science and Cognitive Mapping in Project Mgt Research – Chapter 11, in *Novel Research Methods in Project Management*, (Eds.) R. Muller, N. Drouin and S. Sankaran, Copenhagen Business School Press, Rosenoerns Allé 9 - DK-1970 Frederiksberg, ISSN 1566-1075,294-319.
9. **Doloi, H.** (2010), Simulation Models for Assisting Development and Operations of Infrastructure Projects, in *Introduction to Modern Robotic*, iConcept Press Ltd., Edited by Daisuke Chugo and Sho Yokota, ISBN: 978-14610986-9-0 Annerley, QLD 4103, Australia.
10. **Doloi, H.** (2008), Front-end decision analysis in development and delivery of complex projects, in *Innovations in Structural Eng. and Construction*, (Eds.) Xie, Y. & Patnaikuni, I., pp.1389-94, *Taylor & Francis*, London, UK.
11. **Doloi, H.** (2008), Adding Value in Const. Design Mgt y using Simulation, in *Robotics and Automation in Construction*, (Eds) C. Balaguer & M. Abderrahim, Ch 8, pp.119-38, *I-Tech Edu & Publ.*, Vienna, Austria, EU.
12. Jaafari, A., **Doloi, H.**, & Gunaratnam, D. (2005), LCPM: A platform for strategic project management, in *Innovations: Project management research 2004*, (Eds) Slevin, Cleland, Pinto (Eds.), PMI, pp141-59, PA, USA. (Doloi-50%, Jaafari -30%, Gunaratnam – 20%)

Editorials

1. **Doloi H.**, Crawford R and Varghese K. (2022), Smart villages, rural infrastructure and sustainable development, Guest editorial in *Built Environment Projects and Asset Management*, Emerald Publishing, Issue12(3) DOI: 10.1108/BEPAM-06-2022-195.
2. **Doloi H.** and Raisbeck P. (2023), Social Value of Infrastructure Projects: Design, Construction and Global Practices, Guest editorial in *Built Environment Projects and Asset Management*, Emerald Publishing, Issue 13(4) (in press).

Journal papers published (Refereed):

1. Abdullah A, **Doloi H.** and Holzer D. (2023), "Exploring the application of BIM in Tanzanian public sector projects using Social Network Analysis, *Built Environment Project and Asset Management (BEPAM)*, Elsevier Journal (accepted on 05 May 23, in press) (Doloi - 50%)
2. Fatourehchi, D, Noguchi M and **Doloi H.** (2022), Iranian Household Electricity Use Compared to Selected Countries, *Encyclopedia*, MDPI, DOI: 10.3390/encyclopedia2040112 (Doloi - 30%)
3. Chowdhury S, Noguchi M and **Doloi H** (2021) Conceptual Parametric Relationship for Occupants' Domestic Environmental Experience, Sustainability, MDPI AG, DOI: 10.3390/su13052982 (Doloi - 30%)
4. Almahmoud, E. & **Doloi, H. K.** (2020). Identifying the key factors in construction projects that affect neighbourhood social sustainability. *FACILITIES*, 38(11-12), pp. 765-782. doi:10.1108/F-11-2019-0121 (Doloi - 50%)
5. Ongkowitzo C. and **Doloi, H.** and Agrew G (2020), Hybrid risk analysis model for analysing the urban infrastructure risk, *International Journal of Disaster Risk Reduction*, Volume 48, September 2020, 101600, doi.org/10.1016/j.ijdr.2020.101600 (Doloi - 50%)
6. Ongkowitzo C. and **Doloi, H.** and Mills A (2019), 'Participatory-based risk impact propagation and interaction pattern analysis using social network analysis' *International Journal of Disaster Resilience in the Built Environment*, (<https://doi.org/10.1108/IJDRBE-06-2017-0041>) (Doloi - 40%)
7. **Doloi, H.** (2018), A community centric model for evaluating social value in projects, *Journal of Construction Engineering and Management*, ASCE, May, Vol.144 (5).
8. Ongkowitzo C. and **Doloi, H.** (2017), Assessing Risks of Critical Infrastructure Systems using Social Network Analysis, *Int. J. of Disaster Resilience in the Built Environment*, Vol.8(1), pp.1-9. (Outstanding Award). (Doloi - 50%)
9. Kalyviotis, NC, Rogers CDF, Tight MR., Hewings JD and **Doloi H.** (2018), Infrastructure Management: Development of a Business Model for Transport Infrastructure Interdependencies Management, *Int. J. of Real Estate & Land Planning*, Vol.1. (Doloi - 30%)
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11. Kalyviotis, Nikolaos and Rogers, Chris DF and Tight, Miles R. and Hewings, Geoffrey J.D. and Doloi, Hemanta (2017), Next Generation Infrastructure Interdependencies: An economic deterministic model of transport interdependencies in the United Kingdom. In: *International Symposium for Next Generation Infrastructure, 11–13 September 2017, London, UK* (Doloi - 30%)
12. N Kalyviotis, CDF Rogers, MR Tight, GJD Hewings, H Doloi (2017) The Environmental Value of Sustainable Transport Infrastructure, *RELAND: International Journal of Real Estate & Land Planning* 1, 42-57, (Doloi - 30%)
13. Kalyviotis, Nikolaos and Rogers, Chris DF and Tight, Miles R. and Hewings, Geoffrey J.D. and Doloi, Hemanta (2017), The individual as the key-stakeholder of Next Generation Infrastructure: Defining the social value of transport infrastructure in the United Kingdom. In: *International Symposium for Next Generation Infrastructure, 11–13 Sept, London, UK.* (Doloi - 30%)
14. Rohman A., **Doloi, H** and Heywood, C. (2017), Success criteria of toll road projects from a community societal perspective, *Built Environment Project and Asset Mgt (BEPAM)*, Vol.7(1), pp. 32-44 (Outstanding Paper award) (Doloi - 50%)
15. Ongkowitzo C. and **Doloi, H.** (2017), Assessing Risks of Critical Infrastructure Systems using Social Network Analysis, *Int. J. of Disaster Resilience in the Built Environment*, Vol.8(1), pp.1-9 (Outstanding Paper award) (Doloi - 50%)
16. Almahmoud E.S. and **Doloi, H.** (2015), Assessment of Social Sustainability in Construction Projects using Social Network Analysis, *Facilities*, Vol. 33 No. 3/4, pp.152-176 (Doloi - 50%)
17. **Doloi, H.** (2014), Rationalizing the implementation of web-based project management systems in Construction Projects using PLS-SEM, *Journal of Construction Engineering and Management*, ASCE Vol.120 (7) pp:1-10.
18. *Baradari, I. and **Doloi, H.** (2013), Impact Of Applying Project Portfolio Management On Project Success, *Journal of Modern Project Management*, Vol.01 (02), pp.64-73. (Doloi-50%)
19. ***Doloi, H.** (2013a), Cost overruns and failure in project management - understanding the roles of key stakeholders in construction projects, *Journal of Construction Eng and Mgt*, ASCE, Vol.139(3), pp.267-279.
20. ***Doloi, H.** (2013b), Empirical Analysis of traditional contracting and relationship agreements for procuring partners in construction projects, *Journal of Management in Engineering*, ASCE, Vol.29(3), pp.224-235
21. ***Doloi, H.**, Sawhney, A. and Iyer, K.C. (2012), Structural Equation Modeling Approach for Investigating Factors Affecting Delay in Indian Construction Projects, *Const. Mgt and Economics*, Vol.30(10), pp.869-884. (Doloi-80%, Sawhney-10%, Iyer -10%)
22. ***Doloi, H.** (2012a), Empirical Analysis of traditional contracting and relationship agreements for procuring partners in construction projects, *Journal of Management in Engineering*, ASCE, Vol.29(3), pp.224-235.
23. ***Doloi, H.** (2012b), Assessing stakeholders' influence on Social Performance of Infrastructure Projects *Facilities*, Vol.30(11), pp-531-550.
24. ***Doloi, H.**, Sawhney, A., Iyer, K.C. and Rentala, S. (2012), Analysing Factors Affecting Delays in Indian Construction Projects, *Int. J. of Proj. Management*, 30(4), pp.479-89. (Doloi 70% Sawhney, Iyer & Rentala- 30%).
25. ***Doloi, H.** (2012c), Understanding impacts of time and cost related construction risks on operational performance of PPP projects, *Int. Journal of Strategic Property Management*, Vol.16(3), pp.316-337
26. *Almahmoud E.S., **Doloi, H.**, Panuwatwanich, K. (2012), Linking Project Health to Project Performance Indicators: Multiple Case Studies of Construction Projects in Saudi Arabia, *Int. J of Prj Mgt*, 30(3), pp.296–307 (Almahmoud 45%, Doloi-45%, Panuwatwanich-10%).
27. ***Doloi, H.**, Iyer, K.C. and Sawhney, A. (2011), Structural Equation Model for Assessing Impacts of Contractor's Past Performance on Project Success, *Int. J. of Prj Management*, Vol.29(6), pp.687-5 (Doloi-80%, Others-20%).
28. ***Doloi, H.** (2011), Understanding stakeholders' perspective of cost estimation in Project Management, *International Journal of Project Management*, Vol29(5), pp.622-636
29. ***Doloi, H.** (2010), Benchmarking a new design management system using process simulation approach, *Construction Innovation Journal*, Volume 10, Issue 1, pp. 42-59.
30. ***Doloi, H.** (2009), Analysis of prequalification criteria in contractor selection and their impacts on project success, *Construction Management and Economics*, Vol. 27, Issue 12, pp. 1245 -1263.
31. ***Doloi, H.** (2009), Relational Partnerships – the importance of communication, trust and confidence and joint risk management in achieving project success, *Construction Mgt and Economics*, Vol 27, Iss.11, pp. 1099 – 1109.
32. *Jin, X.H. and **Doloi, H.** (2009), Modeling Risk Allocation in Privately Financed Infrastructure Projects Using Fuzzy Logic, *J of Computer-aided Civil and Infrastructure Engineering*, Vol. 24, pp.1-16. (Jin 50%, Doloi 50%)
33. ***Doloi, H.** (2008a), Analysing the novated design and construct contract from the client's, design team's and contractor's perspectives, *Const. Management and Economics*, Vol. 26, Nov, pp.1181-1196.
34. ***Doloi, H.** (2008b), Application of AHP in improving construction productivity from a management perspective, *Const. Management and Economics*, Vol. 26, Issue 8, pages 839 – 852
35. *Jin, X.H. and **Doloi, H.** (2008), Interpreting risk allocation mechanism in public-private partnership projects: an empirical study in a transaction cost economics perspective, *Const. Mgt and Econ.* Vol.26, Iss.7, pp.701-72. (Jin 50%, Doloi 50%)
36. *Majamaa W., Junnila S., **Doloi, H.** & Niemistö E. (2008), End-user oriented Public-Private Partnerships in Real Estate Industries, *Int. J. of Strategic Property Management*, Vol. 12, pp.1–17. (Doloi -30%, Others-70%)

37. *Chen, C. and **Doloi, H.** (2008), BOT application in China – Driving and Impeding factors, *International Journal of Project Management*, Vol.26, pp.388-398. (Chen 50%, Doloi 50%)
38. *Jin, X.H., **Doloi, H.** and Gao, S.Y. (2007), Relationship based determinants of Building Project Performance in China, *Constn Management & Economics*, March 2007, 25(3), pp.297–304. (Jin 40%, Doloi 40%, Gao 20%)
39. ***Doloi, H.** (2007a), “Developing an Integrated Management System for Optimising Project Options”, *Journal of Enterprise Information Management*, Vol.20, No.4, pp.465-486.
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41. ***Doloi, H.** (2007c), Strategic management of project organization using a project-based approach, *Journal of Project Management Technology*, Vol.1(43), page 16-24.
42. ***Doloi, H.** (2006a), A framework for managing front-ends of complex projects incorporating simulation based approach, *Journal of Chinese Institute of Industrial Engineers*, JCIE, Vol. 23 No.6, pp 458-467.
43. (**) **Doloi, H.** (2006b), A self-learning educational framework for online delivery, *Journal of Innovations in Teaching And Learning in Information and Computer Sciences*, Vol.6, Issue 1, Feb 2007.
44. ***Doloi, H.** and Jaafari, A. (2002a), A Simulation Model for Life Cycle Project Management, *Journal of Computer-Aided Civil and Infrastructure Engineering*, Vol.17, pp.162-174. (Doloi-90%, Jaafari -10%)
45. ***Doloi, H.** and Jaafari, A. (2002b), Towards a Dynamic Simulation Model for Strategic Decision Making in Life Cycle Project Management, *Project Mgt. J.*, Vol. 33(4), Dec, pp.23-38. (Doloi-90%, Jaafari -10%)
46. ***Doloi, H.** and Jaafari, A. (2002c), Conceptual Simulation Model for Strategic Decision Evaluation in Project Management, *J. of Logistics Information Management*, Vol. 15(2), pp.88-104. (Doloi-90%, Jaafari -10%)

Selected Refereed Conference papers (2007 onwards)

1. **Doloi H.** (2022) “Usefulness of data analytics in Smart Villages development” in the Proceedings of the 5th International Conference on Smart Villages and Rural Development (COSVARD 2022), Eds. Doloi and Bora, Smart Villages Lab, The University of Melbourne, 12-13 December (Hybrid), pages 82-90.
2. Abdallah A. and **Doloi H.** (2022) “A review of construction issues leading to construction project underperformance in Tanzania” in the Proceedings of the 5th International Conference on Smart Villages and Rural Development (COSVARD 2022), Eds. Doloi and Bora, Smart Villages Lab, The University of Melbourne, 12-13 December (Hybrid), pages 91-113.
3. Chowdhury S, Noguchi M and **Doloi H.** (2022) “Integration of occupants’ sentiments for maximizing positive experience in household design” in the Proceedings of the 5th International Conference on Smart Villages and Rural Development (COSVARD 2022), Eds. Doloi and Bora, Smart Villages Lab, The University of Melbourne, 12-13 December (Hybrid), pages 163-173.
4. FATOUREHCHI D., Masa NOGUCHI M. and **Doloi H.** (2022) “Towards a new prediction model for energy-related occupant behaviour in domestic environments” in the Proceedings of the 5th International Conference on Smart Villages and Rural Development (COSVARD 2022), Eds. Doloi and Bora, Smart Villages Lab, The University of Melbourne, 12-13 December (Hybrid), pages 58-66.
5. Huda A; **Doloi H.** (2021), Role of rural infrastructure and smart villages in development, The 4th International Conference on Smart Villages and Rural Development (COSVARD 2021), Smart Village Lab (SVL), The University of Melbourne.
6. Sarma N; **Doloi H.** (2021), Study of rural infrastructure for smart villages, The 4th International Conference on Smart Villages and Rural Development (COSVARD 2021), Smart Villages Lab, The University of Melbourne.
7. Hettiarachchi T; **Doloi H.** (2021), COMMUNITY CENTRIC ASSESSMENT ON SUSTAINABILITY OF AFFORDABLE HOUSING PROJECTS IN SRI LANKA, The 4th International Conference on Smart Villages and Rural Development (COSVARD 2021), Smart Villages Lab, The University of Melbourne.
8. **Doloi H** (2021), Rural Infrastructure for Smart Villages – Sanitation Case Study, The 4th International Conference on Smart Villages and Rural Development (COSVARD 2021), Smart Villages Lab, The University of Melbourne.
9. Fatourehchi D; Noguchi M; **Doloi H** (2021), Review of the existing energy policies and challenges of energy consumption to achieve a sustainable behavioural change among Iranian households, 4th International Conference on Smart Villages and Rural Development (COSVARD 2021), Smart Villages Lab (SVL), The University of Melbourne.
10. Katharpi V; **Doloi H** (2020), Multiculturalism and Socio-Cultural Integration in Bottom-Up Approach to Rural Housing: A Multi-Case Study in Assam, India, 3rd International Conference on Smart Villages and Rural Development, Smart Village Lab, The University of Melbourne
11. **Doloi H** (2020) Creating Smart Villages through context-specific workshops, 3rd International Conference on Smart Villages and Rural Development Smart Villages Lab, The University of Melbourne.
12. CHOWDHURY S; NOGUCHI M; **Doloi H** (2020) Research Methods to Investigate Occupants’ Domestic Environmental Experiences for EXD Framework 3rd International Conference on Smart Villages and Rural Development Smart Villages Lab, The University of Melbourne.

13. **Doloi H.** (2019), Income generation, food security and growth in local industry - a new approach for rural empowerment, *Proceedings of the 2nd International Conference on Smart Villages and Rural Development*, Smart Villages Lab, The University of Melbourne, Melbourne, held at Guwahati, India, 02 Dec 2019 - 04 Dec 2019, 10 pages. 2019.
14. CHOWDHURY S, ISLAM R, **Doloi H.**, Jannat N, PAUL S, PAUL P CHOWDHURY S (2019), Exploring Environmental Adaptability of Traditional Mud House, Chittagong, Bangladesh, *Proceedings of the 2nd International Conference on Smart Villages and Rural Development*, Smart Villages Lab, The University of Melbourne, Melbourne, held at Guwahati, India, 02 Dec 2019 - 04 Dec 2019, 10 pages. 2019.
15. Katharpi, V and **Doloi H.** (2019), Studying rural housing for Smart Villages in Assam – Case selection strategy, *Proceedings of the 1st International Conferences on Smart Villages and Rural Development (COSVARD 2018)*, page 24-34, 12-14 December, Guwahati, Assam, India.
16. Kimm G. and **Doloi, H.** (2019), ICT4D for Smart Governance of Rural Development, *Proceedings of the 1st International Conferences on Smart Villages and Rural Development (COSVARD 2018)*, page 72-83, 12-14 December, Guwahati, India.
17. Bhuyan M., Rahman R, Deb S.K and **Doloi H.** (2019), Computer Aided Design of a Multipurpose Wheelchair for Rural Areas of Assa, Pages 108-14, *Proceedings of the 1st International Conferences on Smart Villages and Rural Development (COSVARD 2018)*, page 72-83, 12-14 December, Guwahati, Assam, India.
18. Baishya P and **Doloi H.** (2018), Affordable Waste Management Solutions for Community Housing, *ZEMCH 2018 International Conference Proceedings*, 29 Jan - 01 Feb, Melbourne School of Design, the University of Melbourne.
19. Borah S. and **Doloi H.** (2018) Sustainable Construction in the Context of Smart Villages in Assam, *ZEMCH 2018 International Conference Proceedings*, 29 Jan - 01 Feb, Melbourne School of Design, the University of Melbourne.
20. **Doloi, H** and Katharpi V. (2018), Understanding Housing Design and Expectations of Assamese Rural Communities, *Proceedings of the 52nd Int Conference of the Architectural Science Association (ANZAScA)*, 28 Nov – 01 Dec, RMIT University.
21. Ongkowijoyo, C. and **Doloi, H.** (2018), Risk-based Resilience Assessment Model Focusing on Urban Infrastructure System Restoration, *Proceedings of the 7th International Conference on Building Resilience*, 27-29 Nov 2017, Bangkok.
22. Ongkowijoyo, C. and **Doloi, H.** (2018), Understanding of Impact and Propagation of Risk based on Social Network Analysis, *Proceedings of the 7th International Conference on Building Resilience*, 27-29 Nov 2017, Bangkok.
23. **Doloi, H.** and Week, D. (2017), Role of regulatory framework for supporting construction industry in India, *AUBEA 2017*, RMIT University, Melbourne, 3-5 July (50%, research collaboration)
24. Week, D. and **Doloi, H.** (2017), Rural Construction Management for Developing Economies: Implications for professional education—the case of Assam, *AUBEA2017*, RMIT University, Melbourne, 3-5 July, (50%, research collaboration)
25. Katharpi, V., **Doloi, H.** and Week, D (2017), Significance of culture and education in developing smart villages in India *AUBEA2017*, RMIT University, Melbourne, 3-5 July (accepted). (30%, supervision of Katharpi)
26. Deka, A., **Doloi, H.** and Crawford R. (2017), Prefabrication technique for low cost housing in Assam, *AUBEA2017*, RMIT University, Melbourne, 3-5 July (accepted). (30%, supervision of Deka)
27. Week, D. and **Doloi, H.** (2017), Smart cities need smart villages: the case of Assam in India, *ECOCITY World Summit*, 12-14 July 2017, Melbourne Convention and Exhibition Centre, Victoria, Australia (50%, research collaboration).
28. Ongkowijoyo, C. and **Doloi, H.** (2016), Analysing Community Hazard in Urban Infrastructure System, *In the proceedings of the 6th International Conference on Building Resilience*, 7-9 Sept, Auckland, NZ.
29. Ongkowijoyo, C. and **Doloi, H.** (2016) Analyzing the Risk Criticality of an Infrastructure System on the Community, *ASCE Construction Research Congress 2016: - Proceedings of the 2016 Construction Research Congress (CRC 2016)*, May 31 - June 2, San Juan, Puerto Rico, USA.
30. **Doloi, H.**, Loganathan, S., Kalidindi, SN and Mahalingam, A. (2016), Assessment of Stakeholders' Management Practice in Infrastructure Projects - An Indian Case Project, *ASCE Construction Research Congress 2016: - Proceedings of the 2016 Construction Research Congress (CRC 2016)*, May 31 - June 2, San Juan, Puerto Rico, USA.
31. Ongkowijoyo, C. and **Doloi, H.** (2016), Setting the Priority of Risk and Impacts to Community, *In the proceedings of the 6th International Conference on Building Resilience*, 7-9 Sept, Auckland, NZ
32. **Doloi H.**, Varghese K and Raphael B (2015), Drivers And Impediments Of Building Information Modelling From A Social Network Perspective, *ISARC2015*, June 15-18, Oulu, Finland. (Doloi – 90%, others-10%)
33. **Doloi H.**, Crawford, R., Langston C. and Low Pheng (2015), A Social Network based framework for assessing risks and vulnerability in built environment, *BR2015*, Jul 15-17, Newcastle, NSW (Doloi – 80%, others-20%)
34. Rohman Mohammad A., **Doloi, H.** and Heywood C. (2015), “The Community Perspective of the Social Benefit of PPP Toll Road Projects, *COBRA 2015 conference*, UTS, July 7-9, Sydney, Australia. (33.3% each)
35. **Doloi, H.** and Varghese, K. (2015), Management of Risks associated with the integration of BIM – A Social Network Analysis Approach, *Indian Lean Construction 2015*, 6-7 Feb, Mumbai (Doloi-80%, Varghese-20%)
36. **Doloi, H.** (2014), Performance and Impacts of Web-based project management systems in construction projects, *31st Int. Symp. on Automation and Robotics in Construction and Mining*, July 9-11, Sydney.

37. **Doloi, H.** (2014), A framework for supporting planning and development of infrastructure projects from a societal perspective, *ISARC2014*, July 9-11, Sydney, Australia.
38. **Doloi, H.** (2013), Understanding Soft Issues of Proj Mgt & Productivity, *COBRA*, 10-12 Sept New Delhi, India.
39. Almahmoud, E. and **Doloi, H.** (2013), Analysis of stakeholders' influence on Construction Processes using Social Network Analysis, *RICS COBRA 2013 Int. Conf. Proc.*, 10-12 Sept 2013, New Delhi, India. (50% each)
40. She, L.Y., **Doloi, H.** and Mills, A. (2012), The Soft Systems Approach to Understanding Trust in Alliances in Australia" *COBRA 2012* (Eds.) Dean Kashiwagi and Kenneth Sullivan, 10-13 Sept, Las Vegas, USA, pp.510-518.
41. She, L.Y., **Doloi, H.** and Mills, A. (2012), Trust in Alliances- truth or is it a Myth? *The 2012 Int. Conf. on Const & Real Estate Mgt*, (Eds.) Y Wang, Y Bai and Geoffrey Q.P. Shen, Kensus City, USA, pp.251-257 (33.3% each).
42. **Doloi, H.** (2012), Empowering reflective learning with self and peer competency assessment practice, *CIB International Conference of W055/065/089/118, TG/76/78/81/84*, 26-29 June 2012, McGill University, Canada.
43. **Doloi, H.** and Almahmoud, E. (2012), Modelling Social Sustainability in Built Environment, *Proceedings of the CIB Int Conf. W055, W065, W089, W118*, 26-29 June, McGill University, Montreal, Canada (50% each)
44. Almahmoud E. and **Doloi, H.** (2012), Social Sustainability Health Check: A Model for integrating stakeholders' interests in Construction Projects, *Proc. of CIB W070/092 and TG72*, Uni of Cape Town, Cape Town (50% each)
45. **Doloi, H.**, Crawford, R. and Ma, Z. (2011), Rationalising property investment decisions using the IconCUR model – an Australian case study, *36th AUBEA Conference*, 28-29 April, Bond Uni (*Best Academic Paper*) (Doloi-80%, Crawford & Ma – 20%).
46. **Doloi, H.**, Haynes, T. and Ma, Z. (2011), Assessing Social Impact in Public Infrastructure Projects using Social Network Analysis, *IRNOP X*, June 20-22, Montreal, Canada (Doloi-80%, others-20%)
47. **Doloi, H.** (2010) Balancing stakeholder's requirements in project procurement – have we learnt anything yet?, *CIB World Congress 2010*, 10-14 May, Salford University, UK.
48. **Doloi, H.** and Kilpatrick, A. (2010), Construction partnering – is relationship agreement better over traditional practices?, *CIB World Congress*, 10-14 May, Salford University, UK (Doloi-80%, Kilpatrick- 20%)
49. **Doloi, H.** and Ma, Z. (2010), Balancing value-for-money and operational performance of Public-Private Partnerships projects, *PMI Research Conference*, 10- 14 July, Washington D.C. (Doloi -70%, Ma-30%)
50. **Doloi, H.**, Sawhney, A. and Iyer, K.C. (2010), Benchmarking the versatility of construction management education in a global perspective, *AUBEA*, 14-16 July, Uni of Melbourne (Doloi-80%, Sawhney&Iyer-20%)
51. **Doloi, H.** (2010), "Framework for multi-criteria decision modelling for analysing sustainable management strategy" *International Symposium on Coastal Zones and Climate Change: Assessing the Impacts and Developing Adaptation Strategies (CZCC2010)*, 11 – 13 April 2010, Monash University, Australia (*Invited Speaker*).
52. **Doloi, H.**, Gunaratnam.D. and Mo, J.(2009), Towards Smart Decision Support Framework for Sustainable Planning and Operation of Critical Infrastructure for Climate Change, *34th AUBEA, Uni SA*, July7-10(33% each).
53. **Doloi, H.** and Young, B. (2009), Achieving cost performance from client's, consultant's and contractor's perspectives, *RICS COBRA 2009*, 4-5 September 9 Dublin, Ireland. (Doloi - 80%, Young-20%)
54. **Doloi, H.** and I.A. Pinero (2009), Simulation modelling for managing post-construction risks in public-private partnerships projects, *IRNOP IX – Int.*, Oct 11-13, Berlin, Germany. (Doloi – 75%, Pinero – 30%)
55. **Doloi, H.** and Jin, X.H. (2008), Modelling Multi-criteria decision analysis for benchmarking management practices in project management, *CIB W78, Santiago de Chile*, 15 – 17 July. (50% each)
56. **Doloi, H.**, and Yeo, E. (2008), Analysis of Cost, Time and Performance related risks in Australian PPP projects, *RICS COBRA 2008*, 4-5 Sept 2008, Dublin, Ireland. (50% each)
57. Jin, X.H. and **Doloi, H.** (2008), Determining environmental uncertainty of risk management in privately financed public projects using fuzzy approach, *COBRA 2008*, 4-5 September 2008, Dublin, Ireland (50% each).
58. **Doloi, H.** (2007), Virtual framework for Project Management education – experiences from teaching-learning perspective, *CME25 conf.: past, present and future*, 16-18 July 2007, University of Reading, UK.
59. **Doloi, H.** and Jin, X.H. (2007), Risk management in public-private partnership (PPP) projects from the project management perspective, *CME25 conf.: past, present and future*, 16-18 July 2007: Reading Uni, UK (50% each)
60. **Doloi, H.** (2007), Design Management in Complex Projects, *COBRA 2007*, 6-7 Sept, Atlanta, Georgia USA.
61. **Doloi, H.** and Lim, M.Y. (2007), Measuring Performance in Construction Projects – A Critical Analysis with an Australian Perspective, *COBRA 2007*, 6-7 Sept, Atlanta, USA. (Doloi - 80%, Lim-20%)
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