

SANTHOSH LOGANATHAN

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CAREER OBJECTIVE

To be a part of a growth oriented challenging environment where my research and professional skills can be utilized to nurture young minds to be innovative and entrepreneurial for personal and nation's growth

ACADEMIC QUALIFICATIONS

- ✚ **Joint PhD (Pursuing)** – Construction Management, **8.53/10 C.G.P.A** – Building Technology and Construction Management Division, Dept. of Civil Engineering, IIT Madras, India *and* School of Built Environment, University of Technology Sydney (UTS), Australia
 - **Research guides:** Prof. K N Satyanarayana (IIT Tirupati and IIT Madras), Prof. Koshy Varghese (IIT Madras) and Prof. Perry Forsythe (UTS, Australia)
- ✚ **Master of Engineering** – Construction Engineering and Management, **8.8/10 C.G.P.A** – Anna University, India
- ✚ **Bachelor of Engineering** – Civil Engineering, **86%** – Anna University, India

SCHOLASTIC ACHIEVEMENTS

- ✚ **University Rank Holder** – Master of Engineering (Construction Engineering and Management) 2013 Batch, Anna University
- ✚ **University Rank Holder** – Bachelor of Engineering (Civil Engineering), 2010 Batch, Anna University

PROFESSIONAL EXPERIENCE

- ✚ **Research Associate** (SEP 2018 – PRESENT), Construction industry improvement initiative project (<http://ci3.in/>), IIT Madras, India
 - Research and white paper writing on Indian construction industry issues
- ✚ **Research Associate** (FEB 2017 – AUG 2018), School of Built Environment, University of Technology Sydney, Australia
 - Research project on productivity in multi-storey mass timber construction projects – productivity data collection and analysis, assisted in case studies writing
- ✚ **Casual Teacher** (FEB 2018 – AUG 2018), School of Built Environment, University of Technology Sydney, Australia
 - Taught construction management subjects to under-graduate and post-graduate students – preparation of teaching material, teaching and evaluation
- ✚ **Teaching and Research Associate** (JUL 2013 – JAN 2017), Building Technology and Construction Management Division, Dept. of Civil Engineering, IIT Madras, India
 - Assisted teaching of construction management subjects to post-graduate students –

preparation of teaching material and evaluation

- Involved in various construction management research projects – data collection, analysis and case studies documentation and writing

✚ **Graduate Engineer Trainee** (JUN 2010 – MAY 2011), Nagarjuna Construction Company Ltd., Hyderabad, India

- Involved in onsite construction planning and coordination activities of a mass housing construction project

RESEARCH THESIS/WORKS

- ✚ Team-based skills and behaviours for onsite construction crews (*Doctoral thesis*)
- ✚ Risk management practices and strategies in a metro rail project (*Master's thesis*)
- ✚ Design and casting of ferrocement water tank and roof slab (*Bachelor's thesis*)

CURRENT RESEARCH AREAS

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|-------------------------------------|--------------------------|
| ✚ Construction productivity | Construction teamwork |
| ✚ Construction industry development | Organisational behaviour |
| ✚ Lean construction practices | HRM issues |

COURSES/SUBJECTS TAUGHT AND ASSISTED

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|--|--------------------------------|
| ✚ Global construction engineering and management | Design team management |
| ✚ Site establishment and management | Engineering project reflection |
| ✚ Engineering project preparation | |

COLLABORATIVE AND SPONSORED RESEARCH ACTIVITIES

- ✚ Enabling prefabricated construction to improve mass housing delivery, funded by the Australia-India Council, Dept. of Foreign Affairs and Trade, Govt. of Australia (<https://bit.ly/2m2g5Kv>)
 - Co-organised a housing roundtable and study tours to raise awareness of the key issues and opportunities specific to mass customisation of housing in India
 - Lead author of an Industry report on mass housing delivery challenges in India
- ✚ Co-Investigator and Action Team Member, Construction Industry Institute India (Ci3) – ***An initiative driven by large construction clients to improve Indian construction industry*** (<http://ci3.in/>)
 - Co-investigator of an initiative that was focused to develop and drive sustainable construction industry improvements by actively involving major stakeholders
 - Co-authored two scientific Journal articles on Indian construction industry issues
 - Co-authored two working papers on Indian construction industry issues

- ✚ Core Member of the Organising and Working Committee of the Launch and Regional Roundtables of Construction Industry Institute India (CI3)
 - Co-organised the conduction of four regional roundtables that focused to understand Indian construction industry issues
 - Co-authored the regional roundtable reports
- ✚ Technical Organising Committee, Indian Lean Construction Conference (2015), Institute for Lean Construction Excellence, Mumbai
- ✚ Involved in the organisation of the workshop on curriculum development for construction engineering and management by PMI India and IIT Madras (2014), Chennai

SCHOLARLY PUBLICATIONS

- ✚ Loganathan, S., and Forsythe, P. (2019). "Team-based skills and behaviour of onsite construction crews." *Construction Management and Economics* [Under Review].
- ✚ Loganathan, S., Forsythe, P., and Kalidindi, S. N. (2018). "Work practices of onsite construction crews and their influence on productivity." *Construction Economics and Building*, 18:3, 18-39.
- ✚ Kumaraswamy, M., Mahesh, G., Mahalingam, A., Loganathan, S., and Kalidindi, S. N. (2017). "Developing a clients' charter and construction project KPIs to direct and drive industry improvements." *Built Environment Project and Asset Management*, 7(3), pp.253-270.
- ✚ Loganathan, S., Srinath, P., Kumaraswamy, M., Kalidindi, S. N. and Varghese, K. (2017). "Identifying and addressing critical issues in the Indian construction industry: Perspectives of large building construction clients." *Journal of Construction in Developing Countries*, 22(Supp.1):121-144.
- ✚ Loganathan, S., and Kalidindi, S. N. (2015). "A review of labor productivity research in construction." *International Journal of Technology*, 5 (2), pp.91-99.
- ✚ Loganathan, S., and Kalidindi, S. N. (2017). "Labor sub-contracting issues in the Indian construction industry." In *Proc., PMI Research and Academic Conference*, 145-152. IIT Delhi, Delhi: PMI India. **[Won Best Jury Paper Award]**
- ✚ Loganathan, S., and Kalidindi, S. N. (2016). "Absenteeism and turnover of migrant construction workers in Indian projects—A survey-based study." In *Proc., Construction Research Congress: Old and New Construction Technologies Converge in Historic San Juan, 1793-1802*, San Juan: ASCE.
- ✚ Doloi, H. K., Loganathan, S., Kalidindi, S. N., and Mahalingam, A. (2016). "Assessment of Stakeholders' Management Practice in Infrastructure Projects—An Indian Case Project." In *Proc., Construction Research Congress: Old and New Construction Technologies Converge in Historic San Juan*, 1465-1474, San Juan: ASCE.
- ✚ Loganathan, S., and Rengaraju, V. R. (2016). "A study on risk management practices in a metro rail project." In *Proc., International Conference covering the fields of Construction, Real Estate, Infrastructure and Project*, NICMAR, Pune, India.

- ✦ Loganathan, S., and Kalidindi, S. N. (2015). "A review of labor productivity research in construction." In *Proc., Industry Academia Conference on Construction Management*, Hyderabad, India.
- ✦ Loganathan, S., and Kalidindi, S. N. (2015). "Masonry labor productivity variation: an Indian case study." In *Proc., Indian Lean Construction Conference*, 175-185, Mumbai, India.

INDUSTRY REPORTS AND WORKING PAPERS

- ✦ Loganathan, S., Mahesh, B., Ram, V.G., Mahalingam, A., Sidney, N., and Forsythe, P. (2019.) "*How to deliver quality 'Housing for All' by 2022?*" IIT Madras, Chennai, India [<https://bit.ly/33MglxT>]
- ✦ Loganathan, S., Chakravarthy, K., and Kalidindi, S. N. (2018). "*Human Resource Management Issues in Indian construction Industry.*" Action Team-5, Construction Industry Institute India (Ci3), India [http://ci3.in/working_papers.html].
- ✦ Kumaraswamy, M., Mahesh, G., and Loganathan, S. (2015). "*Identification and Formulation of Key Performance Indicators for Indian Construction Industry.*" Action Team-1, Construction Industry Institute India (Ci3), India [http://ci3.in/working_papers.html].
- ✦ Kumaraswamy, M., Loganathan, S., and Srinath, P. (2015). "*Launch and First Regional Roundtable of Construction Industry Improvement Initiative India (Ci3 India).*" IIT Madras, Chennai, India [<http://ci3.in/reports.html>].
- ✦ Kumaraswamy, M., Chakravarthy, K., Loganathan, S., and Srinath, P. (2016). "*Second Regional Developers' Roundtable of Construction Industry Improvement Initiative India (Ci3 India).*" Taj Lands End, Mumbai, India [<http://ci3.in/reports.html>].
- ✦ Kumaraswamy, M., Loganathan, S., and Srinath, P. (2016). "*Construction Consultants' Roundtable of Construction Industry Improvement Initiative India (Ci3 India).*" IIT Madras, Chennai, India [<http://ci3.in/reports.html>].
- ✦ Kumaraswamy, M., Loganathan, S., and Srinath, P. (2016). "*Clients'-Consultants' Consolidation Roundtable of Construction Industry Improvement Initiative India (Ci3 India).*" IIT Madras, Chennai, India [<http://ci3.in/reports.html>].

PROFESSIONAL MEMBERSHIP

- ✦ Core Member, Construction Industry Institute India (Ci3)
- ✦ Scholar membership, American Society of Civil Engineers (ASCE)

ADHOC REVIEWERSHIP

- ✦ Engineering Construction and Architectural Management Journal, Emerald Publications.
- ✦ Construction Research Congress (American Society of Civil Engineers conference), USA
- ✦ Indian Lean Construction Conference, Institute for Lean Construction Excellence, India

I hereby declare that the information furnished above is true to the best of my knowledge.

(Santhosh Loganathan)