



Jones Joju

Curriculum Vitae
Doctoral Candidate (Structural Engineering)
National Taiwan University, Taipei, Taiwan
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EDUCATION

Doctor of Philosophy (PhD) [Structural Engineering] [Ongoing] 2020-Present
National Taiwan University (NTU), Taipei, Taiwan
CGPA of 4.03/4.12

Master of Science (M.S.) [Structural Engineering] 2017-2019
Indian Institute of Technology Madras (IITM), Chennai, India
Secured a CGPA of 9.33/10

Bachelor of Technology (B.Tech.) [Civil Engineering] 2012-2016
National Institute of Technology Calicut (NITC), Calicut, India
Secured a CGPA of 9.22/10

RESEARCH INTERESTS

Performance Based Seismic Design, Experimental and Analytical Investigations to Model Nonlinear Response, Seismic Performance Assessment, Damage Free Structural Systems, Seismic Retrofit, Steel-Concrete Mixed Structures

SCHOLASTIC ACHIEVEMENTS

- Sriharsha Memorial Prize for the Best M.S. Thesis in Structural Engineering, IIT Madras, India 2020
- **Rank 2 in B.Tech** in Civil Engineering, NIT Calicut, India 2016
- All India rank in **top 1%** in Graduate Aptitude Test in Civil Engineering 2017
- All India rank in **top 1%** in All India Engineering Entrance Examination 2012
- **Merit in Physics** in All India Senior School Certificate Examination 2012
- **CGPA of 10/10** in All India Secondary School Examination 2010

PUBLICATIONS

- **Joju, J., Goswami, R.,** (2021), "Design Approaches for Panel Zones in Steel Special Moment Resisting Frame Buildings". *Structures and Buildings* (Accepted)
- **Joju, J., Goswami, R.,** (2020), "Behaviour of Steel Special Moment Resisting Frame Buildings Designed Using Current Indian Code". *Journal of Structural Engineering, Madras*, Vol. 47, pp. 36-54
- Nidheesh, P.V., Thomas, P., Nair, K.A., **Joju, J.** et al., (2017), "Potential use of Hibiscus Rosa-Sinensis Leaf Extract for the Destabilization of Turbid Water". *Water, Air, & Soil Pollution*, Vol.228, p.51

COMPETITION AWARDS

- **Best Engineer Competition Winner**, at Indian Concrete Institute Fest, Pantheon held at College of Engineering, Trivandrum 2015
- **Winner**, Concrete Mix Design Competition, Indian Concrete Institute, Calicut Chapter 2015
- **Second Runner-up**, Sculpt a Way Competition, Tech-Fest, Cochin University of Science and Technology, Kochi 2015
- **Winner**, Descartes Square Competition, Tathva, NIT Calicut 2013

RESEARCH INVESTIGATIONS

- **Influence of Panel Zone Design on Performance of Steel Special Moment Frame Buildings** 2017-2019
Guide: Assoc. Prof. Rupen Goswami (MASTERS THESIS)
 - *Performance evaluation of steel SMRFs designed compliant with current Indian standards*
 - *Investigation of panel zone design approaches and column-to-beam strength ratio requirement for steel SMRF*
- **Lateral Bracing Requirement for Steel Wide Flange Sections** 2018
Guide: Asst. Prof. Lakshmi Priya Subramanian (COURSE PROJECT)
 - Evaluating the minimum brace spacing requirement to preclude lateral torsional buckling of steel wide flange sections under cyclic loading through FEA.

PROFESSIONAL EXPERIENCE

- **Half Time Teaching Assistant, IIT Madras** 2017-2019
 - Teaching assistant for courses *Basic Reinforced Concrete Design (CE3060)*, *Structural Dynamics (CE5620)*, *Design for Wind and Earthquake Effects (CE6740)*, and *Nonlinear Analysis of Framed Structures (CE7016)*
 - Responsible for general arrangements and grading test papers
- **Graduate Engineering Trainee, Larsen and Toubro Construction** 2016-2017
 - Site Engineer, National Highway Road Project, Trivandrum
 - Responsible for overseeing *Surveying, Jungle Clearance, Cutting and Filling works, Sub-grade preparation, Soil Nailing, and Reinforced Earth Wall Construction.*
- **Summer Intern, Kochi Metro Rail Limited** 2014

PROFESSIONAL SERVICES

- Secretary, Civil Engineering Association, NIT Calicut 2015-2016
- Placement Representative, Civil Engineering, NIT Calicut 2015-2016
- Representative of B. Tech Civil Engineering in DCC, NIT Calicut 2015-2016
- Core Committee Member, Ragam Cultural Fest, NIT Calicut 2016
- Joint Secretary, National Conference on Technological Innovation for Sustainable Infrastructure, NIT Calicut 2015
- Core Committee Member, Tathva Technical Fest, NIT Calicut 2014
- Member of PRISM (Promotion of Regional Schools to International Standards by Multiple Interventions) Project Team, Kerala 2013-2015