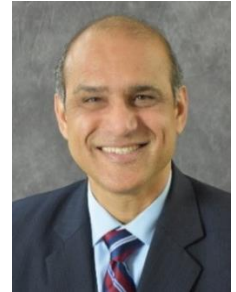




Hastak Consulting Services, LLC

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Prof. Makarand (Mark) Hastak, PhD, PE, CCP *Principal Consultant*



Dr. Hastak is Professor and Head of the Division of Construction Engineering and Management as well as Professor of Civil Engineering at Purdue University. He has assisted the construction industry for the past 30 years through consulting, research, teaching, and service to the community. He is a world renowned expert in the area of construction engineering and management and a licensed Professional Engineer (PE) and a Certified Cost Professional (CCP). Prof. Hastak has worked on numerous projects sponsored by the Construction Industry Institute (CII), NSF, State DOTs, and City Agencies.

He has authored over 200 publications and reports in his area of expertise as well as co-authored and edited three widely used books (1) *Infrastructure Planning, Engineering, and Economics* (McGraw-Hill 2006 and 2015), (2) *Skills and Knowledge of Cost Engineering* (AACE 6th Ed. 2015), and (3) *CCP Certification Study Guide* (AACE 2nd Ed. 2016). He served on the AACE Education Board from 2004-2016. He was also the Editor-in-Chief of the *ASCE Journal of Management in Engineering* (2009-2016).

As a prominent educator, he has given over 35 keynotes and invited lectures around the world and engages in developing training material, workshops and regularly teaching professional courses for the A/E/C industry. His services include consultation, on-site investigation, data collection, assessment, and reporting.

Specializations and Key Skills

- Project Controls and Risk Management
- Process Improvement of Capital Projects
- Profitability Improvement and Construction Analytics
- Process Improvement for Factory Built Housing
- Capital Rehabilitation Planning
- Intelligent Planning for the Built Environment
- Planning for Disaster Mitigation, Resilience, and Capacity Building

Representative Examples of Engagement Experience

- Expert Witness Services
- Performance Assessment for P.T. Tripatra Engineers and Constructors, Jakarta, Indonesia through Purdue Enterprise Company (PEC) LLC and the EPCOM Consortium at Purdue University, July-Aug, 2016.
- Principal Investigator: (1) CII PT 307–*Mitigating Threats of Counterfeit Materials in Capital Projects* (2012–2014); (2) CII PT 241 – *Maximizing the Value of Construction in Pre-Project Planning* (2006-2008), (3) CII PT 214 – *Cost Schedule Tradeoff* (2004-2006); (4) CII PT 193 – *Radical Reduction in Project Cycle Time* (2002-2004), (5) CII RT 154 – *Electronic Simulation in Construction* (1998-2001); (6) CII RT 112 – *A Framework and Practices for Cost-Effective Engineering in Capital Projects in the A/E/C Industry* (1994-1995).
- Research Team Member, CII Research Team 90 – *The Future Needs of the Construction Industry's Worldwide Customers* (1992-1993)
- Training/Seminar Lead for Cost Engineering and other Project Management Topics (1994-Present)
- Chair and Founder, Global Leadership Forum for Construction Engineering and Mgmt. Programs (2010-2013)
- Chair, ASCE Construction Research Congress (2012)
- Chair and Past Chair, National Consortium of Housing Research Centers (2008-2012)
- Experience working as a Design Engineer and construction liaison for Industrial Projects.

Education and Certifications

- PhD Civil Engineering/Construction Engineering and Management, Purdue University, Indiana, USA
- Advanced Certificates in (1) Strategic Human Resource Management, (2) Financial Management, and (3) Executive Leadership, Cornell University, New York, USA
- MS Civil Engineering/Construction Engineering and Management, University of Cincinnati, Ohio, USA
- BE Civil Engineering, Nagpur University, India