

Curriculum Vitae

# DJOEN SAN SANTOSO

## **PROFILE**

Contact Address : Department of Civil and Infrastructure Engineering  
School of Engineering and Technology  
Asian Institute of Technology  
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Pathumthani 12120  
Thailand

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## **EDUCATION & HONOR**

**SAITAMA UNIVERSITY**, Saitama, Japan

*Doctor of Philosophy in Civil Engineering*, October 2002 – September 2005

- Major: Transportation Planning and Infrastructure Management
- *Recipient*, Japanese Government Monbukagakusho Scholarship, 2002 - 2005

**ASIAN INSTITUTE OF TECHNOLOGY**, Bangkok, Thailand

*Master of Engineering in Civil Engineering*, September 1997 – April 1999

- Major: Construction Engineering and Management
- *Recipient*, Austrian Government Scholarship, 1997 - 1999

**PARAHYANGAN CATHOLIC UNIVERSITY**, Bandung, Indonesia

*Bachelor of Engineering in Civil Engineering*, August 1991 – July 1995

- Note: Completed the degree in 4 years (minimum requirement of 160 credits) from a standard 5-year undergraduate degree program.

## **RESEARCH INTERESTS**

Infrastructure planning and management, asset management, facility performance evaluation, risk management, culture in infrastructure and construction, public-private partnerships, sustainable transportation in developing countries.

## **STUDENT SUPERVISIONS**

**Undergraduate Degree**

**2014**

1. Hewagamage Eranga Ravihara Kulathunga, "Happiness, Psychological Well-Being, Stress and Performance in Construction Industry".
2. Gayani Sasendrika Gunarathne, "User Perception towards Service Quality of Public Bus Transportation in Anuradhapura District, Sri Lanka".
3. Saurav G.C., "Risk Assessment in Building Projects of the Thai Construction Industry: A Contractor's Perspective".
4. D.M.W. Kanishka Kasundharani U.K. Rambukwella, "Customer Satisfaction Analysis of the Luxury Long Distance Bus Service in Sri Lanka".

## 2015

1. Dikkumburage Manuli Sanjeevani, "Knowledge and Adaptation of the Green Building Approach in Sri Lanka".
2. Wijayamuni Manavi Chapa Mendis, "The Important Factors and Challenges of Applying Green Building in Sri Lanka".
3. Safiullah Mohamed Rafees, "Examining Construction Waste Management in Sri Lanka".
4. Wanuji Abewickrema, "A Study of Bus Rapid Transit (BRT) Implementation Impact and Community Acceptance in Colombo, Sri Lanka".
5. Sohani Pramoodha Liyanage, "Comparison of Different Standards in Designing Signalized Mid-Way Crossing for Maharagama, Sri Lanka".
6. Rajapaksha A. U. Dilhari Rajapaksha, "Effect of Socio-Economic Characteristics on the Perception of Service Quality of Three-Wheelers in Gampaha, Sri Lanka".
7. Chamodya Ranthunga, "Examination of Problems Faced by the Passengers and Drivers of Three-Wheelers in Kurunegala District, Sri Lanka".
8. Asha Tennakoon, "Safety on Road Construction Zones in Sri Lanka".

## 2016

1. Bagya Chathuska Sooriyaarachchi, "Identification and Assessment of Risks Affecting Large Building Projects in Sri Lanka".
2. Polwatta Gallage Madusha Piumal Gallage, "Factors Affecting Project Performance of Large Construction Projects in Sri Lanka".
3. Parth Vijayvergiya, "Risk Management in Tunneling Project: Case Studies in Sweden and India".
4. Sanishka Dulsara Jayasena, "Analysing Alcohol Impaired Driving of Motorcyclists: An Application of the Theory of Planned Behavior".
5. Abinayaa Uthayakumar, "Examining Activities and Travels of University Students Using Activity-Based Survey".
6. Poramba Liyanage Sameera Liyanage, "Investigating Behavior of Motorcycle Riders from Negative Experience and Profile: A Case Study of Colombo, Sri Lanka".
7. Weerasinghe A. Isuri Arunika Weerasinghe, "Applications of Green Infrastructure Concepts in Road Construction in Sri Lanka".
8. Piyasenage Chanudi Banura Wewegedara, "A Study on Waste Management in Residential and Commercial Construction Projects of Western and Sabaragamuwa Provinces in Sri Lanka".

9. Seint Yin Win, “Assessing the Impacts of Political Changes to Land Use and Transportation in Yangon, Myanmar”.

Served as co-chair:

1. Si Linn Maung, “Case Study of Occupational Health and Safety Management Practice in Yangon (Myanmar) Construction Project”.

## **2017**

1. Prakash Sharma, “Analyzing Factors Causing Road Construction Delay in Bhutan”.
2. Kande Thanthrege Gayan Madushan Kandethanthri, “Factors Affecting the Quality Management System for Building Contractor and Consultant Firms in Sri Lanka”.
3. Subhasinghe Mudiyansele Rajitha Sachinthaka Subhasinghe, “An Analysis of the Red Light Running Behaviors of Motorcyclists in Colombo City in Sri Lanka”.
4. Aye Myint May, “Analyzing Waste Management Practices of Construction Firms in Yangon”.

## **Master Degree**

### **2013**

Served as chair:

1. Tran Thanh Cong, “Risk Management during the Preconstruction Process for High-rise Commercial Projects in Vietnam”

Served as co-chair:

1. Silapa Hanpadungdhuma, “Investment Risk Management for Oil and Gas Projects through FDI: A Case Study of Investment Projects in Thailand.”

Served as chair (professional master):

1. Phan Vinh Loc, “Project Owner’s Risk Control: A Case Study of Nga Bay River Embankment Project”.
2. Pham Quoc Anh, “Project Quality Management of Owners during the Construction Phase: A Case Study of Anh Thuy Clinic Project”.

### **2014**

Served as chair:

1. Ghulam Rasool Saraway, "Implementation of Quality Management System in Local and International Construction Contractors in Afghanistan".
2. Thae Su Naing, "The Relationship between Happiness, Motivation and Performance of Construction Workers and Project Performance in Myanmar Construction Projects".
3. Ko Ko Naing, "Uncertainty and Flexibility Consideration in Planning of Thilawa Port Development Project in Myanmar".
4. Sothy Soeng, "Causes and Effect of Delays in Road Project in Cambodia".
5. Silichantho Khamvongsot, "Assessment of Operation and Maintenance of Nam Ngum 1 and 2 Hydropower Plants in Lao PDR".
6. Sirajum Munira, "Public Preferences and Acceptability towards Sustainable Transport Policies in Dhaka City".

Served as chair (professional master):

1. Bui Quang Be, "Project Management Application in an Advertising Project: A Case Study of Soft Drink Advertisement".
2. Do Hoang Nam, "Owner's Risk Management in Building Project: A Case Study of Administration Building Project in Nga Bay Town, Hau Giang Province".

## 2015

Served as chair:

1. Deeptara Luitel, "Analyzing Communication Practices on Quality and Safety in Construction Projects in Nepal".

Served as chair (professional master):

1. Phan Quoc Thong, "Joint Venture of Construction and Operation of Korea-Vietnam Incubator Park Project".
2. Zaw Htun, "Project Monitoring and Control Strategy for Road Construction Project: A Case Study of Yangon-Mandalay Expressway".
3. Nwe Ni Tun, "Project Risk Management for Infrastructure in Housing Development Project: A Case Study of Parliament Staff Housing Project in Nay Pyi Taw".
4. Kyaw Thet, "Risk Management of Highway Construction Project in Myanmar: A Case Study of Maei- Kyauk Phyu Road Construction Project".
5. Ohn Lwin, "Project Planning and Control for Road Construction Project: A Case Study of Padan-Ngape-Sidoktaya-Laungshe-Tigone-Saw Road Construction Project".

## 2016

Served as chair:

1. Zin Thi Thi Tun, "The Relationship between Job Satisfaction, Stress and Safety Practices of Myanmar Construction Workers".
2. Nuttapon Bourpanus, "Analyzing Impacts of Implementing Electronic Budding system in Thailand Public Construction Projects on Small to Medium Contractors".

3. Su Myat Kyaw Hlaing, “Examining the Applications of Sustainability and Resilience Concept Practice in the Development of Transportation Infrastructure Projects in Myanmar”.
4. Nyein Wai Pwint, “Analyzing Factors of Change Management that Influence the Implementation of partnership in the Myanmar Construction Industry”.
5. Patchigolla Harsha, “Examining the Non-value Adding Activities of the Construction Process in Residential Building Projects”.
6. Sana Rajasekhara Rayudu, “Examining the Impact of Operation and Maintenance Practices of Urban Water Supply Systems on Service Quality: A Case Study of East Godavari District, Andhra Pradesh”.
7. Nadapana Sai Raja Rama Chandar, “Integrating Vulnerability Management in Assessing Risks for Operation and Maintenance of Road Infrastructure”.
8. Dudala Sreeram Bhimesh, “Analysing Risks of Built-Operate-Transfer Road Projects from the Public and Private Sectors Perspectives in India”.
9. Venkata Satyanarayana Raju Nadimpalli, “Exploring Opportunities in Residential Construction Projects”.
10. Dandu Aravind Varma, “Community Assessment and Participation in the Environmental Aspects of a Smart City: A Case Study of Palava City”.
11. Aravind Sarma Turlapati, “Examining Challenges in the Development of Onshore Terminal Facilities for the Oil and Gas Industry: Case Studies in India”.

Served as chair (professional master):

1. Zaw Moe Lwin, “Assessing Contractor’s Contract Administration Competency from Owner’s Perspective in JICA Funded Road Project”.

## **2017**

Served as chair:

1. Voraton Vongsamut, “Collaboration among Project Participants in a Tunnel Construction Project in Thailand: A Case Study of the Volume Increase for Storage in Mea Goung, Udomtara Dam”.
2. Mohammad Khalid Saljogi, “Contract Administration Procedure for World Bank Funded Construction Projects in Afghanistan”.
3. Sayed Mustafa Sadat, “Critical Factors Affecting the Project Delivery System Selection and Comparison of Design Build and Design Bid Build Delivery Methods in Afghanistan Public Construction Projects”.
4. Sai Chandra Balineni, “Analyzing Project Factors and Moderating Effect of Team Effectiveness on Overall Delay in Indian Construction Projects”.

Served as chair (professional master):

1. Khin Maung Htwe, “Applying Contract Administration to Manage Quality of JICA Funded Road Project: A Case Study of Hanmyintmo-Myogyi-Ywangan Road Improvement Project”.

2. Min Lwin Tun, "Analyzing Resettlement Programme of Eindu to Kawkareik Road Improvement in Myanmar".

## **Doctoral Degree**

**2015**

Served as co-chair:

1. Wilson Udo Udofia, "Termination Reasons and Retendering Strategies of Infrastructure Projects in Nigeria."  
Published paper: Udofia, Wilson Udo, B. H. W. Hadikusumo, and Djoen San Santoso. "Road project termination and rebidding strategies in Nigeria." *Journal of Financial Management of Property and Construction* 20.3 (2015): 208-234.

## **PROFESSIONAL EXPERIENCE**

**ASIAN INSTITUTE OF TECHNOLOGY, Bangkok, Thailand Dec 2011-Present**

***Associate Professor of School of Engineering and Technology (SET) Feb 2018-Present***

***Assistant Professor of School of Engineering and Technology (SET) Dec 2011-Jan 2018***

- Teach undergraduate, professional and graduate courses.
- Supervise graduate students.

Courses taught:   Infrastructure System Analysis and Management  
                          The Principle of Facilities Management  
                          Project Cost and Financial Management  
                          Research Methodology in the Built Environment  
                          Legal and Contractual Risk Management  
                          Integrated Project Planning and Control  
                          Project Financing

**SAITAMA UNIVERSITY, Saitama, Japan**

**Dec 2008-Nov 2011**

***Assistant Professor of the Graduate School of Science and Engineering***

- Teach undergraduate and graduate courses.
- Assist in supervising graduate students.
- Manage recruitment of international students.

**ASIAN INSTITUTE OF TECHNOLOGY, Bangkok, Thailand Feb 2007-Nov 2008**

***Assistant to the Dean of School of Engineering and Technology (SET)***

