

ISEC - 2020 SCHEDULE

13th Innovations in Software Engineering Conference

27th – 29th February 2020 at

Indian Institute of Information Technology, Design and Manufacturing, Jabalpur INDIA

Day # 1: 27 th February 2020				
8:30 AM to 2:00 PM	Registration		Venue: Lobby outside of L-206	
VENUE	L 206	CR 208	CR209	L207
9:00 AM to 10:30 AM	W1: SE4UW	W2: WESEE 2020	W3: SE4AI	T1:
10:30 AM to 11:00 AM: Tea/Coffee Break				
11:00 AM to 12:30 PM	W1: SE4UW	W2: WESEE 2020	W3: SE4AI	T1:
12:30 PM to 2:00 PM: Lunch Break				
2:00 PM to 03:30 PM	T2:	W2: WESEE 2020	W3: SE4AI	
3:30 PM to 4:00 PM: Tea/Coffee Break				
4:00 PM to 05:30 PM	T2:	W2: WESEE 2020	W3: SE4AI	
7:00 PM to 9:00 PM	Reception: Venue: Institute Guesthouse			

Workshops

W1: Second Workshop on Software Engineering for an Uncertain World (SE4UW)
 W2: Third Workshop on Emerging Software Engineering Education (WESEE 2020)
 W3: Software Engineering for Artificial Intelligence (SE4AI)

Tutorials

T1: IoT in Smart Grid: A Software Engineering Perspective
 T2: Desiderata for testing AI systems

Day # 2: Friday, 28th February 2020 (L 206)	
8:30 AM to 3:20 PM	Registration, Venue: Lobby outside of L-206
9:00 AM to 9:30 AM	Opening Ceremony Conference Inauguration by Prof. Sanjeev Jain, Director IIITDM Jabalpur
9:30 AM to 10:30 AM	Keynote 1: “Understanding and Improving Continuous Integration and Delivery Practice using Data from the Wild” (Massimiliano Di Penta). Introduction by: David Lo
10:30 AM to 11:00 AM: Tea/Coffee Break + Ph.D. Posters	
AI in SE (and vice versa) (Session Chair: Ravindra Naik, TCS)	
11:00 AM to 11:25 AM	Language Support for Multi-Agent Reinforcement Learning
11:25 AM to 11:50 AM	Prediction of Web Service Anti-Patterns Using Aggregate Software Metrics and Machine Learning Techniques
11:50 AM to 12:15 PM	HACO: A Framework for Developing Human-AI Teaming
12:15 PM to 12:30 PM	Code Nano-Pattern Detection using Deep Learning (Short)
12:30 PM to 1:45 PM: Lunch Break + Ph.D. Posters	
12:45 PM to 1:45 PM: ISEC Steering Committee Meeting (Venue: VH(Guesthouse) Conference Hall) ISEC SC Members Only	
1:45 PM to 2:15 PM	FSE 2019 Distinguished Paper 1: “Assessing the Quality of the Steps to Reproduce in Bug Reports” (Oscar Chapparo). Introduction by: Atul Gupta
Semantic Analysis and Extraction (Session Chair: Raghu Reddy, IIITH)	
2:15 PM to 2:40 PM	Clustering Glossary Terms Extracted from Large-Sized Software Requirements using FastText
2:40 PM to 3:05 PM	An Approach to Mine SBVR Vocabularies and Rules from Business Documents
3:05 PM to 3:20 PM	Analyzing Business Systems comprised of Rules and Processes using Decision Diagrams (Short)
3:20 PM to 3:30 PM: Tea/ Coffee Break + Ph.D. Posters	
3:30 PM to 7:30 PM	Tour to Bhedaghat/Dhuandhar Waterfall
7:30 PM to 10:00 PM	Conference Ceremony and Banquet Dinner Venue: Hotel Vijan Mahal
Note: Ph.D. posters will be running from 10 AM to 3:30 PM	

Day # 3: Saturday, 29th February 2020 (Venue: L-206)	
9:00 AM to 10:00 AM	Keynote 2: “Formal System Design and Verification: A Perspective” (Sriram Rajamani). Introduction by: Diptikalyan Saha
10:00AM to 10:30AM: Tea / Coffee Break + PhD Posters	
Software Process and Model (Session Chair: Tony Clark,)	
10:30 AM to 10:55 AM	SWOT: Strength, Weaknesses, Opportunities, and Threats for Scaling Agile Methodologies in Global Software Development
10:55 AM to 11:20 AM	Towards a Model-Driven Product Line Engineering Process - An Industrial Case Study
11:20 AM to 11:45 AM	StaBL: Statecharts with Local Variables
11:45 AM to 12 PM	Interleaving Software Craftsmanship Practices in Medical Device Agile Development (Short)
ISEC Test of Time Award Talk (Introduction by Atul Kumar)	
12:00 PM to 12:30 PM	Deva K Deeptimahanti and Ratna Sanyal, "Semi-automatic generation of UML models from natural language requirements", ISEC 2011. (speaker: Ratna Sanyal).
12:30 PM to 1:45 PM: Lunch Break + Ph.D. Posters	
1:45 PM to 2:15 PM	FSE 2019 Distinguished Paper 2: “The Importance of Accounting for Real-World Labelling when Predicting Software Vulnerabilities” (Renaud Rwemalika). Introduction by: Santonu Sarkar
Bugs and Education (Session Chair: Sujit Kumar Chakrabarti, IIITB)	
2:15 PM to 2:40 PM	Control-Flow based Anomaly Detection in the Bug-Fixing Process of Open-Source Projects
2:40 PM to 2:55 PM	A Preliminary Study on Case-Based Learning Teaching Pedagogy: Scope in SE Education
2:55 PM to 3:10 PM	Functionality Based Code Smell Detection and Severity Classification (Short)
3:10 PM to 3:25 PM	Towards Prioritizing Github Issues (Short)
3:25 PM to 3:40 PM	Impact of CBL on Student's Learning and Performance: An Empirical Study (Short)
3:40PM to 4:10PM: Tea/ Coffee Break + PhD Posters	
Ph.D. Symposium (Track Chairs: Raghavan Komondoor V, and Pankaj Vyas)	
4:10 PM to 4:25 PM	Sequence, Sandhya Taiwan, and Anuradha Chug. Improving Software Maintainability Using Optimum Refactoring
4:25 PM to 4:40 PM	Anand Tirkey and Ramesh Mohapatra. Understanding Android Application Masquerades
4:40 PM to 4:55 PM	Sahithi Tummalapalli, Lov Kumar, and Lalita Bhanu Murthy Neti. Prediction of Web Service Anti-Patterns Using Machine Learning Framework
Student Software Project Contest Power Talks (Track Chairs: J S Thakur & Saurabh Tiwari)	
4:55 PM to 5:00 PM	Student Software Project Contest First Prize winner power talk
5:00 PM to 5:05 PM	Student Software Project Contest Second Prize winner power talk
5:05 PM to 5:10 PM	Student Software Project Contest Third Prize winner power talk

5:10 PM to 5:30 PM	Closure (Vote of Thanks by Atul Gupta)
Sunday, 1st March 2020	
Full 1-3 Day	Tiger Safari (not included in registration. If interested, then please check at the registration desk for price and enroll)