



2ND COLLOQUIUM ON BUSINESS INFORMATICS

INDO-GERMAN WORKSHOP

XAI & FEDERATED LEARNING

21.01.2025 - 23.01.2025

Place: Admin Auditorium ,IIIT Allahabad

Date: 21.01.2025 and 23.01.2025

Organizers: Prof. Dr. O. P. Vyas
Prof. Dr. Rahamatullah Khondoker
Dr. Ranjana Vyas

Patrons: Prof. Dr. Matthias Willems,
President, THM-Germany
Prof. Dr. Mukul S Sutaone,
Director, IIIT Allahabad-India

Agenda:

DAY 1 – Tuesday, Jan 21st 2025		
Time Slot	Title	Speaker
15:30 - 16:30	<i>Arrival in Prayagraj, Workshop Inaugural, Welcome by IIIT-A Director & Presentation by THM Univ. of Applied Sciences</i>	Prof.O.P.Vyas, IIIT Allahabad Prof. Dr. Mukul Sutaone, Director, IIIT Allahabad Prof. Dr. Matthias Willems, President, THM- Germany, Frau Michaela Zalucki-International Office, THM Univ of Applied Sciences, Germany.
16:30 - 17:15	Foundations of Explainable AI	Prof. Dr. Michael Guckert
17:15 - 18:00	Federated Learning: Advances & Application	Prof. Dr. O P Vyas & Mr. Harshit Gupta
18:00	High TEA	

DAY 2 – Wednesday, Jan 22nd 2025		
Time Slot	Title	Speaker
09:30 - 10:15	<i>Research trends on 'Train and Automotive Security'</i>	Prof. Dr. Rahamatullah Khondoker
10:15-11:00	<i>Gen AI: Advances & Applications</i>	Prof. G.C. Nandi
11:00 – 11:30	Tea / Coffee BREAK	



11:30-12:15	<i>Applications for Deep Reinforcement Learning</i>	Prof. Dr. Nicolas Stein
12:15-13:00	Balancing Explanations with SIGN	Mr. Nils Gumpfer
13:00 -14:30	LUNCH BREAK	

DAY 2 – (Post Lunch) Wednesday, Jan 22nd 2025

Time Slot	Session - Business Informatics	
	Title	Speaker
14:30 - 15:15	<i>Presentation and Interaction for IITTA & THM on Business Informatics, Entrepreneurship & Innovation</i>	Dr Ranjana Vyas & Faculty Colleagues of Business Informatics specialization of IITTA
15:15 - 16:00	<i>Mathematical Foundations of Reliable AI</i>	Prof. Dr. Marcus Martin
16:00 - 16:15	BREAK	
16:15 - 17:00	<i>Generating Artificial ECG Signals</i>	Mr. Peter Louis, Dr Ashutosh Mishra
17:00 - 17:45	<i>AI Based digitalisation of ECG Signals</i>	Mr. Dominic Eckerle
17:45 - 18:30	<i>Integrating SIGN into the Pytorch Framework</i>	Mr. Alexander Paul

DAY 3 – Thursday, Jan 23rd 2025

Time Slot	Title	Speaker
11:30 – 12:30	<i>Summarization of the Workshop, Plan for the Next Meetings and Projects</i>	Prof. O P Vyas
12:30 - 14:00	Lunch Break	



14:00 - 15:00	<i>Feedbacks and Closing of the Workshop</i>	Moderator: Dr Muncendra Ojha Chair: Prof. Mukul Sutaone, Director, IITA, Prof. Matthias Willems, President, THM-Germany, Frau Michaela Zalucki - International Office, THM-Germany
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Registration Fees: General Participants: ₹1,180/- (₹1,000/- + GST), IIT Allahabad Personnel: ₹500/-

LINK : [HTTPS://APPLY.IITAA.AC.IN/EVENT/REGISTER/XAI/](https://apply.iitaa.ac.in/event/register/xai/)

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