

About the Workshop

Objective

To demonstrate and educate participants with in depth knowledge of fuzzy sets and fuzzy logic application in Civil and Environmental Engineering.

Brief Course Outline

1. Mathematical Preliminaries of Fuzzy Set Theory

- Fuzzy relational calculus
- Fuzzy Supervised & unsupervised learning in classical environment
- Fuzzy Modelling
- Fuzzy inference system

2. Application of Fuzzy Logic in

- Structural & Earthquake Engineering
- Geotechnical Engineering
- Transportation Engineering
- Water Resources Engineering
- Urban Planning

Eminent speakers

Prof. Sudhir Kumar V Barai

Structural and Earthquake Engineering, IIT Kharagpur

Prof. G. R. Debagaudar

Geotechnical Engineering, IIT Madras

Prof. G. D. Regulwar

Water Resources Engineering, G C E Aurangabad

Prof. Rajesh Gupta

Water Supply & Waste Water, VNIT Nagpur

Dr. Adrienn Buruzs

Environmental Engineering, Hungary

Prof. Pradip Kumar Sarkar

Head, School of Planning and Architecture, Delhi

Dr. Adam Bukovics

Structural Engineering and Geotechnics, Hungary

Registration details

Important Dates:

Receipt of Application:	40.12.18	25.12.18
Initial confirmation:	43.12.18	28.12.18
Reg. Fee payment:	45.12.18	01.01.19
Final Confirmation:	47.12.18	05.01.19

Registration Fee*:

Faculty/Scientist	4000
Research Scholars	2000

* All the logistics including accommodation (twin), food, local transport, would be covered from Registration fee- only for outside India Participants.

Registration link:

<https://goo.gl/forms/k0q5mb0qZw5bhWqo1>

Eligibility: Faculty members/Scientist/Ph.D. students having keen research interest in relevant areas.

Notes:

- Payment should be made only after the initial confirmation.
- Selection of participants will be first come first basis as number of participants are restricted up to 50.
- Lodging may be arranged for Indian participants on payment basis.

Contact Us

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One Week International Workshop on

Fuzzy logic in Civil & Environmental Engineering

January 21-25, 2019

Organized
By



Chhattisgarh Swami Vivekanand
Technical University, Bhilai
Chhattisgarh, India

Under

TEQIP-3
Technical Education Quality Improvement Programme

One week International Workshop on Fuzzy logic in Civil & Environmental Engineering

Resource persons

Dr. Ross is a professor in the Department of Civil Engineering at the University of New Mexico, USA where he teaches courses in structural analysis, structural dynamics and fuzzy logic. He is a registered professional engineer with over 30 years of experience in the fields of computational mechanics, hazard survivability, structural dynamics, structural safety, stochastic processes, risk assessment, and fuzzy systems. He is also the founding Editor-in-Chief of the International Journal of Intelligent and Fuzzy Systems.



Principal Faculty
Timothy J. Ross

Prof. Verma is currently Vice chancellor of CSVTU, Bhilai. Prior to joining, he served as professor in National Institute of Technology Raipur, in the Department of Civil Engineering. He was Coordinator of STA- National Rural Drinking Water Project (NRDWP), Ministry of Drinking Water and Sanitation, Govt. of India, Sub-Distributed Information Centre of Bioinformatics, (DBT, Ministry of S&T, Govt. of India) and Continuing Education Cell. He is consultant to Chhattisgarh Council of Science and Technology, Chhattisgarh Public Health Engineering Department and Chhattisgarh Pollution Control Board. He is having more than 30 years of teaching experience. His area of specialization is Water Resources Engineering & Irrigation, Fluid Mechanics & Hydro Power Engineering, Bioinformatics & Computational Biology. He has over 240 publications and ten books in the area of Water Resources Engineering and Irrigation and Bioinformatics in refereed, national journals, international journals and conference proceedings.



Chief Patron
Prof. M. K. Verma

About CSVTU Bhilai

The University is one of the renowned technical university in Chhattisgarh and central India. It was inaugurated on 30th April 2005 by the Hon'ble Prime-Minister of India Dr. Manmohan Singh with a vision is to be one of the world's leading innovative the creative Technical Universities recognized locally, nationally and internationally for excellence in teaching, research and public service.



Principal Faculty
Ashok Deshpande

Dr. Deshpande is the founding Chair Berkeley Initiative in Soft Computing (BISC)-Special interest Group (SIG) Environment Management Systems (EMS) holds a PhD degree in Engineering and Technology. Prof. Ashok was Deputy Director, National Environmental Engineering Research Institute (NEERI) /CSIR. He is Visiting Professor in Indian Institute of Technology Mumbai India and Adjunct Professor College of Engineering Pune India, and NIT Silchar. Professor Ashok has over 4 decades of R&D experience and has over 120 publications in the Journals of international repute. In the past, Dr. Ashok was WHO Adviser, Common Wealth Science Council Resource Scientist, World Bank Project Director. Dr. Ashok has passion and mission to the world scholars that **FUZZY LOGIC IS NOT FUZZY!**

Chief Patron

Dr. M. K. Verma, Hon'ble Vice Chancellor, CSVTU, Bhilai

Patron

Shri D. N. Sirsant, Registrar, CSVTU, Bhilai

Convener

Dr. Piyush Lotia, TEQIP-III Coordinator, CSVTU, Bhilai

Co-Convener

Dr. Ashish Patel, TEQIP-III, CSVTU, Bhilai

Dr. Kshitiz Varma, TEQIP-III, CSVTU, Bhilai

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Dr. Sumit Kumar Banchhor, UTD, CSVTU, Bhilai

Ms. Sonam Vaidya, UTD, CSVTU, Bhilai

Organizing Members

Dr. Pankaj Kumar Gupta, CSVTU, Bhilai - **Advisor**

Dr. Abhishek Jha, CSVTU, Bhilai - **Advisor**

Mr. Thaneshwar Kumar Sahu, UTD, CSVTU, Bhilai

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Mr. Sunil Singh, SSTC, Bhilai

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