

Workshop on ‘Service-Oriented Architecture for Spatial Data Integration and Reasoning’

Organized by NRDMS-NSDI and Ahmedabad University

Dates: November 15-17, 2017

Venue:

**210, School of Engineering and Applied Science,
Ahmedabad University,
Navrangpura, Ahmedabad – 380 009**

Objective: The objective of the workshop is to share the knowledge of available technology, tools and practices to the community for developing intelligent and expert applications using spatial data. Now-a-days, mobile applications are the best way for information dissemination, important analytics and recommendations to be communicated on mobile devices. There will be sessions on mobile application development. The workshop will have hands-on sessions for the participants to expose them to make use of available data in a smarter way in order to find the hidden knowledge.

Coordinator

- Dr. Sanjay Chaudhary, Professor and Associate Dean, School of Engineering and Applied Science, Ahmedabad University

Local Arrangements

- Vikas Kumar, Junior Research Fellow, School of Engineering and Applied Science, Ahmedabad University
- Purnima Shah, Senior Research Fellow, School of Engineering and Applied Science, Ahmedabad University

Venue

- 210, School of Engineering and Applied Science, GICT Building, Ahmedabad University, Navrangpura, Ahmedabad – 380 009.

Schedule

Date	Time	Title	Speaker
15-Nov-17	8:30 - 9:30	Registration	
		Tea / Coffee and Breakfast	
	9:30 - 10:00	Welcome	Prof. Deepak Kunzru Chair, University Research Board
	10:00 - 11:30	Concepts of GIS and Geospatial Databases	Shri Rajendra Gaikwad, Scientist, ISRO
	11:30 - 11:45	Tea / coffee break	
	11.45 - 13:15	Use of Geo Server to create, retrieve and process geospatial database	Scanpoint Geomatics Ltd. team
	13:15 -14:00	Lunch break	
	14:00 - 15:45	Hands on session: Geo Server software (create, edit, view, retrieve/query, filter, extract, integration with map APIs, formats for data sharing)	Scanpoint Geomatics Ltd. team
	15:45 - 16:00	tea/coffee break	
	16:00 - 17:30	Hands on session on Geo Server software (create, edit, view, retrieve/query, filter, extract, integration with map APIs, formats for data sharing)	Scanpoint Geomatics Ltd. team
16-Nov-17	8:30 - 9:30	Tea / Coffee and Breakfast	
	9:30 - 11:00	Introduction to Service Oriented Architecture and Web Services	Dr. Sanjay Chaudhary
	11:00 - 11:30	Tea / coffee break	
	11.30 - 13:00	W3C and OGC standards for Geo Web Services	Shri Vikaskumar Tyagi, JRF, SEAS, AU
	13:00 -14:00	Lunch break	
	14:00 - 15:45	Hands on session: Designing RESTful Web Services and Use of Web Services to process geospatial database	Shri Akash Goyal
	15:45 - 16:00	Tea/coffee break	
	16:00 - 17:30	Hands on session on: Designing RESTful Web Services and Use of Web Services to process geospatial database	Shri Akash Goyal

17-Nov-17	8:00 - 9:00	Tea / Coffee and Breakfast	
	9:00 - 10:30	Knowledge Representation and Reasoning using Ontology	Shri Chetan Moradiya, eZDi
	10:30 - 10:45	Tea / coffee break	
	10.45 - 12:15	Hands-on session on 'Creation of Ontology using Protege, Query on Ontology, Geographic Ontologies'	Chetan Moradiya, eZDi and Vikaskumar Tyagi, SEAS - AU
	12:15 -13:00	Lunch break	
	13:00 - 14:00	Hands on sessions on Development of Mobile Applications using data format standards JSON, GeoJSON	Vikas Kumar and Purnima Shah
	14:00 - 14:15	Tea/coffee break	
	14:15 - 14:45	Image Processing and Machine Learning	Dr. Mehul Raval
	14:45 - 16:00	Hands on sessions on Development of Mobile Applications using data format standards JSON, GeoJSON	Vikas Kumar and Purnima Shah
	16:00 - 16:30	Concluding Session	

Dinner on November 16, 2017 is sponsored by

