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CCIS

Technologies for changing time

TEAMC 2018

26-28 March

An International Conference

"Towards Extensible and Adaptable Methods in Computing"

Tracks:

- Agile Software Development
- Data Management
- Web Intelligence
- Machine Learning
- Computing for Education

AIM & SCOPE

AIM

Extensible and adaptable computing refers to the array of methods and techniques that systematically tackle the future growth of systems and applications, and respond seamlessly to changes in requirements, data and context.

The international conference TEAMC 2018 aims to bring together researchers, practitioners and students on a common platform to identify the challenges, develop strategies and discuss best practices to solve problems in convergent subdomains of computing that strive towards extensibility and adaptability.

SCOPE

TEAMC 2018 welcomes delegates from all parts of the globe. We invite research articles under the following tracks:

- Agile Software Development
- Data Management
- Web Intelligence
- Machine Learning
- Computing for Education

The technical program of the conference features the following events

- Regular technical sessions under five tracks
- Keynote speeches
- Workshops
- Panel discussions
- Awards
- Exhibits

AGILE SOFTWARE DEVELOPMENT

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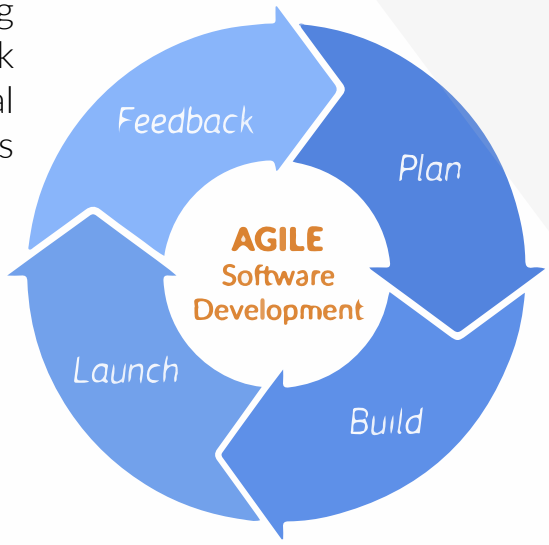
Software development processes must be flexible enough to adapt quickly to the changing expectations and scales of businesses. The track will highlight the principles, methods, practical experiences and issues in adopting agile methods in software development.



Topics include, but not limited to:

- Agile software processes and methodologies
- Agile approaches to requirements engineering
- Testing in agile environment
- Agile project management
- Agile methodologies for web development
- Agile methodologies for developing embedded software
- Design and architectural patterns
- Aspect oriented programming
- Agile model driven design
- Agile practices for component based software development
- Tools and techniques for agile development
- Risk assessment in agile environment
- Estimation in agile software development

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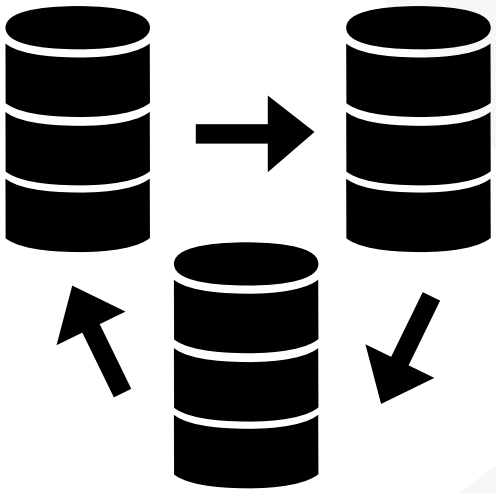
DATA MANAGEMENT

There is an ever-exploding nebula of data in the cyberspace that must crystalise into meaningful compendiums of knowledge backing myriad applications. The track will dwell on various issues of managing data and metadata, enforcing quality and interoperability, integrating data in legacy and cloud based systems and ensuring data security.

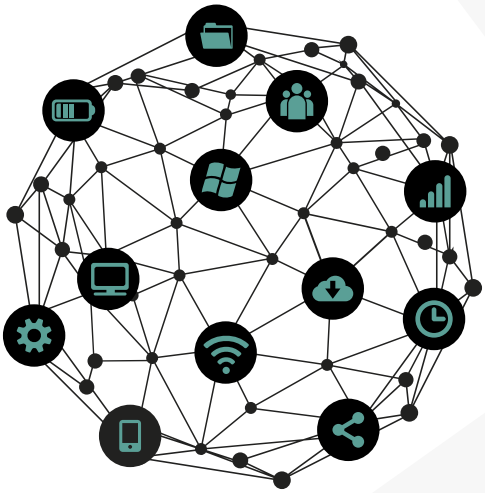


Topics include,but not limited to:

- Data interoperability in emerging applications
- Metadata management
- Data models and frameworks for Big Data
- Web data management
- Mobile data management
- Migration to cloud and integration of legacy databases
- Agile data management with No-SQL
- Spatio-temporal databases
- Distributed databases
- Adaptable data security

WEB INTELLIGENCE

The web is rife with textual and multimedia content that must be harnessed to gather cogent information. This track will discuss techniques for analyzing data emanating from social networks, sensors and IoT devices, predicting patterns of data evolution, handling storage and retrieval of big data, and deciphering business intelligence.



Topics include,but not limited to:

- Adaptive and context-aware web applications
- Collective intelligence
- Ontology discovery and management
- Web personalization
- Agent based web systems
- Context aware recommender systems
- Web analytics
- Opinion mining and sentiment analysis
- Social network analysis

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MACHINE LEARNING

Applications must evolve and learn to sync with human intelligence. This track will feature systems and products that entail ML techniques to create adaptive applications that attune gracefully to changing context. The track will also discuss new developments in the theoretical underpinnings of ML.

Topics include,but not limited to:

- Rough, fuzzy and neuro computing
- Cognitive systems
- Deep learning applications
- ML driven adaptive applications
- Evolutionary and nature inspired techniques
- Multi-lingual knowledge Acquisition
- Adaptive Natural Language Processing
- Ontology engineering and applications

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COMPUTING FOR EDUCATION

Technology backed teaching and learning methods have brought in a new paradigm in education that breaks the barriers of time, location, age and socio-economic-cultural backgrounds. This track is dedicated to adaptive computing methods for education that tailor to the learners as they evolve continuously on their learning paths.

Topics include,but not limited to:

- Personalized and adaptive e-learning
- Mobile technologies for education
- Case studies in computer-aided education in countries
- Learning analytics
- Collaborative and social networks based learning approaches
- Computing methods for constructivist learning

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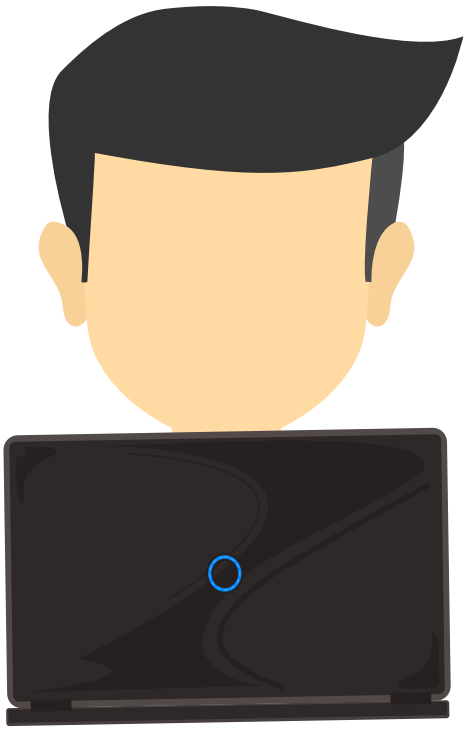
HACKEAM 2018

A HACKathon to slove problems centred on Extensible and Adaptable Methods - HACKEAM 2018, is planned as a pre-conference event to TEAMC 2018. The aim is to channelize the talent pool of coders, data analysts and designers to develop innovative and workable solutions to real world problems.



It will feature :

- Webinar by industry experts
- On-site problem solving
- Offsite competition
- Presentation of top entries in the main conference
- Awards

COMMITTEE

Honorary Conference Chair
Prof. J.P. Saini, Director, Netaji Subhas Institute of Technology, India

General Chair
Prof Shampa Chakraverty, Netaji Subhas Institute of Technology, India

Organizing Co-Chairs
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Prof Sangeeta Sabharwal, Netaji Subhas Institute of Technology, India

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India

ABOUT NSIT

Netaji Subhas Institute of Technology is a reputed seat of higher education in India. It is an autonomous Institution under Govt. of NCT of Delhi with academic affiliation to University of Delhi. Built over a beautifully landscaped, sprawling 145-acre campus in the educational hub of Dwarka, the institute has carved a niche for itself for achieving excellence in technical education and research.