Sushant University
Erstwhile Ansal University Gurugram

SCHOOL OF ENGINEERING AND TECHNOLOGY
&
SCHOOL OF BUSINESS

ANNOUNCING

INTERNATIONAL CONFERENCE ON

ADVANCED TECHNOLOGY, SUSTAINABILITY AND MANAGEMENT

IATSM2022

JULY 27-28, 2022

IATSM2022

IATSM2022 MODE OF CONFERENCE VIRTUAL

WELCOME TO IATSM2022

International conference on Advanced Technology, Sustainability and Management (IATSM) addresses the rapid sustainable advancements currently witnessed in the fields of Technology, Businesses, Living style, Laws, Health issues and Public policy. The conference aspires to exhibit the research excellence of budding technocrats, decision makers research scholars, representatives from the academia and industry. This conference aims to bring together the best of globally renowned research professionals.

SCOPE OF THE CONFERENCE

International conference on Advanced Technology, Sustainability and Management (IATSM) aims at exploring the interface between the industry and real time environment with state-of-the-art techniques. IATSM 2022 publishes original and timely research papers and survey articles in current areas of Big Data, innovation, Environmental changes, Technical advancement, Smart city, Power, Management and Corporate governance related research areas of current importance to readers. Selected papers will be submitted for publication in conference proceedings with ISBN number.

SUBMISSION GUIDELINES

All papers must be original and not simultaneously submitted to another journal or conference. The following paper categories are welcome:
IATSM2022 publishes original and timely research papers and survey articles in current areas of Big Data, innovation, Environmental changes, Technical advancement, Smart city, Power, Management and Corporate governance related research areas of current importance to readers. Selected papers will be submitted for inclusion to online Journals.

LIST OF TOPICS
THE TOPICS OF INTEREST INCLUDE (BUT ARE NOT LIMITED TO)

Track 1
5G, 6G and beyond

- 5G NETWORK ARCHITECTURE, MANAGEMENT TECHNOLOGIES, AND SERVICES
- ENERGY MANAGEMENT IN 5G NETWORKS
- SMART CROSS-LAYER ACCESS NODE ALLOCATION MECHANISMS IN 5G NETWORKS
- SECURITY AND PRIVACY CONCERNS IN 5G WIRELESS COMMUNICATIONS
- 5G IMPACT ON THE MOBILE NETWORKS
- 5G AND SDN – LAYING THE SOFTWARE-DEFINED FOUNDATIONS FOR 5G NETWORKS
- INTERNET OF THINGS (IOT) TOWARD 5G WIRELESS SYSTEMS
- ADVANCED NETWORK ARCHITECTURE DESIGN FOR IOT TOWARDS 5G
- THE NEXT-GENERATION COMMUNICATION TECHNOLOGY
- SECURITY FOR 5G AND BEYOND
- FUTURISTIC WIRELESS NETWORKS

Track 2
Enabling Technologies for Effective Planning and Management in Sustainable Smart Cities

- SMART CITIES – CONCEPTS AND KEY ADVANCEMENTS
- PRIVACY AND SECURITY IN SMART CITIES
- ICT FOR SMART CITIES
- BLOCKCHAIN FOR SMART CITIES
- SUSTAINABLE SMART CITES
- SMART HEALTHCARE
- SMART AGRICULTURE
- SMART TRANSPORTATION
- NOVEL APPROACHES FOR EFFECTIVE PLANNING AND MANAGEMENT IN SMART CITIES
- MACHINE LEARNING AND DEEP LEARNING FOR SMART CITY SERVICES
- 5G AND 6G TECHNOLOGIES FOR SMART CITY
- SDN FOR DYNAMIC NETWORK MANAGEMENT

Track 3

Computational Intelligence and Information Systems (CIIS)

- COMPUTATIONAL INTELLIGENCE SOLUTIONS FOR MOBILE AND PERVASIVE COMPUTING
- COMPUTATIONAL INTELLIGENCE IN MOBILE-CLOUD BASED COMPUTING FOR SOCIAL NETWORK RECOMMENDATION SERVICES
- BIG DATA ANALYTICS FOR COMMUNITY ACTIVITY PREDICTION, MANAGEMENT, AND DECISION-MAKING
- FUZZY SYSTEM THEORY IN AND RECOMMENDER SYSTEMS
- SOCIAL DATA ANALYTICAL APPROACHES USING COMPUTATIONAL METHODS
- DEEP LEARNING AND MACHINE LEARNING ALGORITHMS FOR EFFICIENT INDEXING AND RETRIEVAL IN MULTIMEDIA RECOMMENDATION SYSTEMS
- INTELLIGENT TECHNIQUES FOR SMART SURVEILLANCE AND SECURITY
- MODELING, DATA MINING, AND PUBLIC OPINION ANALYSIS
- CROWD COMPUTING-ASSISTED ACCESS CONTROL AND DIGITAL RIGHTS MANAGEMENT
- EVOLUTIONARY ALGORITHMS FOR DATA ANALYSIS AND RECOMMENDATIONS
- INTELLIGENCE AND COMPUTING PARADIGMS FOR SENTIMENTAL ANALYSIS AND RECOMMENDATION
- APPLIED SOFT COMPUTING FOR CONTENT SECURITY, VULNERABILITY AND FORENSICS
- COMPUTATIONAL INTELLIGENCE IN MULTIMEDIA COMPUTING AND CONTEXT-AWARE RECOMMENDATION
- SCALABLE, INCREMENTAL LEARNING AND UNDERSTANDING VIRTUAL REALITY COMMUNITY
- INTELLIGENCE-ASSISTED UBIQUITOUS, PERSONAL, AND MOBILE SOCIAL MEDIA APPLICATIONS
- ARTIFICIAL INTELLIGENCE AND PATTERN RECOGNITION TECHNOLOGIES FOR RECOMMENDATION IN HEALTHCARE
- DEEP LEARNING AND COMPUTATIONAL INTELLIGENCE BASED MEDICAL DATA ANALYSIS FOR RECOMMENDATION AND SMART HEALTHCARE SERVICES

Track 4
Intelligent Signal Processing and Communication Systems (ISCS)

- WIRELESS, OPTICAL, AND HYBRID COMMUNICATIONS AND NETWORKING
- FULL-DUPLEX, MASSIVE MIMO, MM-WAVE, AND THZ COMMUNICATIONS
- SPECTRUM ACCESS AND SHARING
- INTEGRATED SENSING, COMMUNICATION, AND COMPUTATIONAL SYSTEMS
- SPECTRUM SENSING
- WIDEBAND COMPRESSIVE SENSING
- MACHINE LEARNING AND DEEP LEARNING
- CYBER-PHYSICAL SYSTEMS AND HARDWARE-CONTROLLED SECURED COMMUNICATIONS
- DYNAMIC-DATA-ENABLED COMMUNICATION SYSTEMS THROUGH SENSING AND MACHINE LEARNING
- QUANTUM COMMUNICATION SYSTEMS
- SIGNAL AND PATTERN EXTRACTION FROM MASSIVE SPATIOTEMPORAL DATA
- SIGNAL PROCESSING FOR NEW APPLICATIONS ENABLED BY FAT DATA PIPES, VIRTUAL REALITY, TELEPRESENCE, ENHANCED REALITY
- SENSING AND SENSOR DATA FUSION, MOTION CONTROL AND INTELLIGENT ACTUATORS

Track 5
Intelligent Informatics and Sustainable Systems (IISS)

- INFORMATICS CONTROL, FLEXIBLE ARM CONTROL, PERCEPTION AND RECOGNITION, REASONING AND LEARNING
- ROBOTIC SYSTEMS, HUMAN-ROBOTIC INTERACTION, SERVICE ROBOTS, SURGERY ROBOTS AND MACHINE VISION
- FLEXIBLE MANUFACTURING SYSTEMS, PRODUCTION PLANNING AND SCHEDULING, SYSTEM SIMULATION, RAPID PROTOTYPING, CONCURRENT ENGINEERING AND VIRTUAL REALITY
- THE WEB, BUSINESS & DIGITAL CULTURE, DATABASES, DESIGN & GRAPHICS, DIGITAL AUDIO, VIDEO AND PHOTOGRAPHY, HARDWARE, HOME & OFFICE
- NETWORKING & SYS ADMIN, OPERATING SYSTEMS, PROGRAMMING, SCIENCE & MATH, SECURITY SOFTWARE ENGINEERING, HEALTHCARE INFORMATICS, TEACHING INFORMATICS, INFORMATICS IN EDUCATION PROCESS

Track 6
Interdisciplinary Application for Sustainability

- COGNITIVE SCIENCES & TECHNOLOGY
- ARTIFICIAL INTELLIGENCE & FUZZY LOGICS
- INTERFACE OF MATHEMATICS WITH OTHER DISCIPLINES
- THEORETICAL ROLE OF MATHEMATICS
- METHODOLOGICAL ROLE OF MATHEMATICS
- INTERFACE OF STATISTICS WITH OTHER DISCIPLINES
- APPLICATIONS OF MATHEMATICAL ENGINEERING
- INDUSTRIAL MATHEMATICS
- DYNAMICAL SYSTEMS
- MATHEMATICAL BIOLOGY
- AGRICULTURAL INFORMATICS
- REMOTE SENSING, GIS AND GPS
- APPLIED DISCRETE MATHEMATICS
- DISCRETE MATHEMATICS & COMBINATORY

Track 7
Innovation, E-governance and sustainability towards Management

- DRIVING INNOVATIONS IN BUSINESS THROUGH ARTIFICIAL INTELLIGENCE
- DATA PRIVACY AND ETHICS
- MACHINE LEARNING AND INNOVATION
- CORPORATE GOVERNANCE AND SUSTAINABILITY
- CSR OF BUSINESS ENTITIES IN ACHIEVING SUSTAINABILITY
- SUSTAINABILITY FOR NEXT BUSINESS WAVE
- E-CORPORATE GOVERNANCE AND SUSTAINABILITY-CHALLENGES, ISSUES AND A ROAD AHEAD
- TECHNOLOGICAL INNOVATIONS, GREEN TECHNOLOGY AND ISSUES RELATED TO ICT
- BUSINESS STRATEGIES IN THE NEW NORMAL
- CHANGING DYNAMICS OF NEW SUPPLY CHAIN MODELS

Track 8
Sustainable changed Management Functions

- PRICING STRATEGIES IN THE NEW NORMAL
- ISOLATED BUT CONNECTED CUSTOMERS: THE NEW CRM PERSPECTIVE
- CONSUMER BEHAVIOUR POST PANDEMIC
- DEMANDS OF THE NEW E-MARKETPLACES
- CREATIVITY & INNOVATION IN THE DIGITAL ECONOMY
- EMPLOYEE WELLNESS IN NEW NORMAL
- HUMAN AND INSTITUTIONAL CAPABILITY FOR SUSTAINABILITY
- HR ANALYTICS FOR BUSINESS DECISIONS
- HR - AI INTEGRATION AND OUTCOMES
- HR FOR REMOTE WORK AND VIRTUAL TEAMS
- COST MANAGEMENT STRATEGIES
- CHANGING MARKET SCENARIO
- DIGITAL PAYMENTS AND FINTECH
- FINANCIAL ANALYTICS FOR DECISION MAKING
- SUSTAINABLE PROFITS AND FINANCIAL INCLUSION

Track 9
Sustainable Computing for Environment and Climate Change Science

- AEROSOL AND CLIMATE INTERACTION
- ENVIRONMENTAL POLLUTION: OBSERVATIONS AND MODELING
- CLIMATE CHANGE AND IMPACT STUDIES
- REGIONAL CLIMATE MODELING
- EXTREME WEATHER: SHORT TO MEDIUM RANGE FORECAST
- GEOPHYSICAL HAZARDS
- WATER AND HYDROLOGICAL MODELING

Track 10

Sustainable Engineering Science & Technology

- APPLIED SCIENCE
- MECHANICS
- MATERIAL SCIENCES
- MATERIALS SCIENCE AND ENGINEERING
- NANOFABRICATION
- POLYMER NANOTECHNOLOGY
- NEW MATERIALS FOR 21ST CENTURY
- COMPUTATIONAL METHODS FOR LINEAR & NON-LINEAR OPTIMIZATION
- MATHEMATICAL MODELS FOR COMPUTER SCIENCE
- NUMERICAL ANALYSIS
- BOUNDARY VALUE PROBLEMS
- MATHEMATICAL MODELING AND COMPUTATIONAL TECHNIQUES
- COMPLEX ANALYSIS
- PROBABILITY
- APPLIED MATHEMATICS
- REAL ANALYSIS
- DIFFERENTIAL EQUATIONS
- FIXED POINT THEORY
- FRACTIONAL CALCULUS
- GAME THEORY
- FUNCTIONAL ANALYSIS
- COMPUTATIONAL METHODS, ALGORITHMS AND SCIENTIFIC APPLICATIONS
- NUMERICAL METHODS FOR PDES
- NUMERICAL LINEAR ALGEBRA
- OPERATION THEORY
- APPROXIMATION THEORY
- INEQUALITY THEORY
- CONVEX ANALYSIS
- STATISTICS
- INDUSTRIAL MATHEMATICS
- ADVANCE NUMERICAL METHODS
- TOPOLOGY
- UZZY SETS AND SYSTEMS

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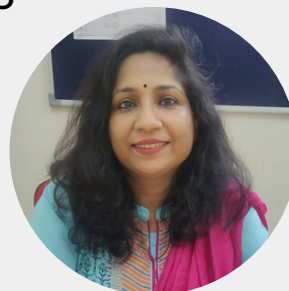## CHAIRPERSONS

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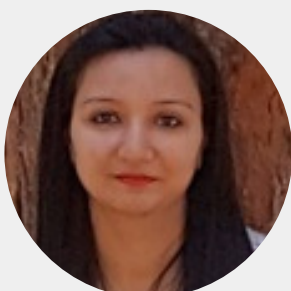**DR. LATIKA SINGH**

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REGISTRATION AND PAPER SUBMISSION PROCESS

Once your paper is accepted, the registration process begins. It is mandatory for at least one author of an accepted paper to register in order for the paper to appear in the Journal or proceedings and included in the Technical Session.

Submit your papers at

Website: https://easychair.org/conferences/?conf=iatsm2022

or Email: iatsm2022@Sushantuniversity.edu.in

Registrations	National	International
Student / Research Scholar	500	50USD
Faculty	1000	70USD
Industry/corporate	2000	100USD

Important Dates:
Full length paper submission: 15th July 2022
Notification of Acceptance: 20th July 2022
Registration: 25th July 2022

Publication opportunities in the following journals:
- UGC CARE Group 1 listed journals
- International Journal of Health Sciences (special issue) ISSN:2550-696X {SCOPUS INDEXED}
- International journal of Applied Engineering and Technology (London) ISSN:2633-4828 {SCOPUS INDEXED}
- NeuroQuantology ISSN:1303-5150 {SCOPUS INDEXED}
- International Journal of Early Childhood Special Education ISSN: 1308-5581 {WOS INDEXED}
- Journal of Positive School Psychology ISSN: 2717-7564 {SCOPUS INDEXED}
- Empirical Economics Letters (special issue) ISSN:1681-8997 {ABDC JOURNAL}
- Korea Review of International Studies (special issue) ISSN:1226-4741 {ABDC JOURNAL}
- World Journal of Management and Economics (Special Issue) ISSN: 1998-1392 (ABDC JOURNAL)

(Additional charges are applicable for the publication as per the journal requirement)

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