



# Research Culture Society & Kryvyi Rih National University, Ukraine Automation, Computer Science and Technology Department



Jointly organizes an

## International Conference on Science, Engineering & Technological Innovation

Date: 24 & 25, October, 2020



Online  
Platform



Google Meet

### ORGANIZING COMMITTEE

Dr. C. M. Patel,

Chairperson, Research Culture Society.

Prof. Natalia Morkun,

Head, Automation, Computer Science and Technology  
Department, Kryvyi Rih National University, Ukraine

Participation details available on:



[www.researchculturesociety.org](http://www.researchculturesociety.org)



: [JESSICAPHYSICS@gmail.com](mailto:JESSICAPHYSICS@gmail.com)

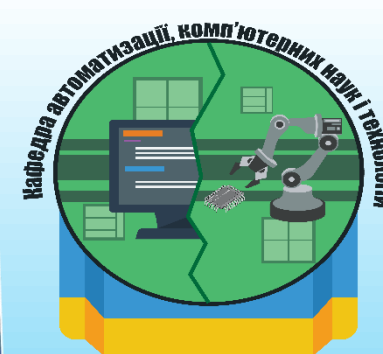


Contact: +91 9033767725

REGISTRATION FORM LINK : <http://tiny.cc/zxxssz>

<https://forms.gle/A4eNkEVLuZHAecDYA>

Selected Research Papers will be published as ISBN Book Proceedings  
and in Referred, Peer-Reviewed ISSN Journal with IF 6.719.



## About the organizing Institutions:

**Kryvyi Rih National University** is one of the largest education institutions of the central region of Ukraine for qualified personnel training in metallurgical, mining, engineering and technological specializations. Scientific subjects performed by the university aimed to increasing the efficiency of production and control processes, power saving and environmental protection.

### Automation, Computer Science and Technology Department

ACST department trains specialists in computer science, automation and computer-integrated technologies. The main educational and scientific areas are: information support for decision making, , development and implementation of process automation and mechatronics systems.

'**Research Culture Society**' is a Government Registered Scientific Research organization. Society is working for research community at National and International level to impart quality and non-profitable services.

**Objective of the International Conference:** Our main objective is to promote scientific and educational activities towards the advancement of common citizens life by improving the theory and practice of various disciplines of science and engineering. The aim of the conference is to provide a interaction stage for researchers and practitioners from academia and industries to deal with state-of-the-art advancement in their respective fields.

## Sub-themes : Track 1 - Basic Science

In addition to these sub-themes, research papers can be submit on a similar topic which are related to the Conference main theme.

### Physics:

- Physics
- Optical Physics
- Applied Physics
- Telecommunication Physics
- Electromagnetic Physics

### Chemistry:

- Applied Chemistry
- Organic Chemistry
- Inorganic Chemistry

### Bio Technology:

- Food Engineering
- Food Process Engineering
- Food Biotechnology
- Bioinformatics,
- Cell biology,
- Biochemistry,
- Molecular biology,
- Neurobiology,
- Microbiology, Pathology,
- Cytology,
- Immunobiology.

### Agriculture Science:

- Animal Science,
- Crop Science,
- Family & Consumer Sciences,
- Fisheries & Wildlife Sciences,
- Food Science,
- Forestry, Genetics & Genomics,
- Horticulture, Nutrition,
- Plant Pathology, Soil Science,
- Sustainable Agriculture,
- Waste Management.

### Mathematics:

- Mathematical Logic
- Algebra
- Analysis
- Calculus, Differential Equations and Integration
- Geometry and Topology
- Graph Theory and Combinatorics
- Group Theory
- Number Theory, Arithmetic
- Probability and Statistics, Game Theory
- Modeling and Simulation
- Applied Mathematics
- General Mathematical Research

### Nanoscience:

- Nano Manufacturer
- Nano Electronics and Sensor Technology
- Nano Biotechnology
- Nanotechnology In Drug Delivery System
- Nanotechnology In Solar Cell
- Nano Composite Use In Solar Cell
- Nano Piezo Electronic Materials
- Nano Composite
- Emerging Nanoscience
- Self Assembled Structure
- Ethics In Nanotechnology

### Life Sciences:

- Biological Sciences,
- Genetics,
- Molecular Biology,
- Environmental Science,
- Ecology,
- Arachnology,
- Biodiversity and Conservation,
- Neuroscience,
- Marine Biology,
- Forensic Science,
- Home Science,
- Zoology.

## Sub-themes : Track 2 - Engineering and Technology

In addition to these sub-themes, research papers can be submit on a similar topic which are related to the Conference main theme.

### **Mechanical, Industrial, Manufacturing and Production Engineering:**

- Operations Research
- Production and Operations Management
- Quality Control and Management
- Maintenance Engineering
- Mechanical Design and Dynamics of Mechanism
- Fluid Mechanics, Combustion and Engineering Physics
- Vibration Measuring and Reliability Analysis
- Finite Element Analysis for Mechanical Engineering
- Mechatronics Design Control Systems
- Instrumentation and Control Engineering
- Sensors and Applications
- Systems Modeling and Simulation
- Automation and Robotics
- Machine Tools and Manufacturing Processes
- Modeling, Analysis and Simulation of Manufacturing Processes
- System Analysis and Industrial Engineering
- Dynamic Mechanical Analysis, Optimization and Control
- Mechanical Control and Information Processing Technology

### **Civil Engineering:**

- Civil and Structural Engineering
- Building Structure and Bridge Engineering
- Cartography and Geographic Information System
- Coastal Engineering
- Computational Mechanics
- Computer Simulation and CAD/CAE
- Concrete Structures
- Construction and Control
- Disaster Prevention and Mitigation
- Environment-Friendly Constructiona and Development
- Monitoring and Control Of Structures
- Sanitary and Ground Water Engineering
- Structural Analysis and Design
- Structural Engineering and Disaster Reduction
- Structural Rehabilitation, Retrofitting and Strengthening
- Surveying and Geo-Informatics
- Tunnel, Subway and Underground Facilities
- Civil and Environmental Engineering
- Applied Computer For Civil and Environmental Engineering
- Construction Engineering and Management
- Geographical Information Systems
- Geotechnical Analysis and Design
- Infrastructure Life-Cycle Management

### **Electronics and Telecommunications Engineering:**

- Telecommunications and Information Systems
- Communication Network and System
- Antenna and Wave Propagation
- Machine Learning and Intelligent Systems
- Software Tools and Applications
- Internet Of Things and Embedded Systems
- Cloud Computing and Mobile Computing
- Internet Architecture and Applications
- Human Computer Interaction and Virtual Reality
- Data Mining and Database Systems
- Power System Engineering
- Electrical Engineering
- Renewable Energy Technology
- Control Engineering and Instrumentation
- Instrumental and Control Applications
- Electronics Devices / Design and System
- Bio-Medical Engineering

### **Metallurgical and Materials Engineering:**

- Smart Materials
- Mineral Benefaction
- Heat Treatment
- Solidification Process
- Materials Characterization
- Mechanical Working Of Metal and Alloys
- Advance Materials
- Materials Degradation
- Corrosion Engineering
- Semi-Conductor Materials
- Microelectronic Materials
- Smart/Intelligent Materials/Intelligent Systems
- Tooling Testing and Evaluation Of Materials
- Modeling and Simulation Of Materials and Devices
- Quantum Modulation Based On Superconductors, Semiconductor and Magnets
- Advanced High Temperature Structural Materials
- Thin Films and Surface Engineering
- Light Metals and Alloys
- Composites and Hybrid Materials
- Advanced Ceramic and Glass Materials
- Green Building Materials
- Light Emitting Material
- Mechanical Behavior and Fracture
- Materials and Engineered Structures For Light Control

### **Automation, Computer Science and Information Technology:**



- Affective Computing
- Automation and Controllers
- Artificial Neural Network
- Behavior Analytics
- Big Data
- Internet Of Things
- Business Intelligence
- Swarm Intelligence and Particle Swarm Optimization
- Collaborative Computing, Community Analysis
- Context-Aware Applications
- Decision Support
- Evolutionary Computation
- Feature Selection
- Fuzzy Systems, Fuzzy System and Rough Set
- Geographic and Spatial Data Mining
- Human-Computer Interface
- Hybrid Systems
- Image Processing
- Information Diffusion
- Knowledge Discovery, Knowledge Management, Knowledge Transfer
- Natural Language Processing
- Optimization, Recommender Systems
- Semantic Mining, Social Network Mining, Text Mining, Web Mining, Data Mining and Topology Evolution
- Ad Hoc Networks
- Amorphous Computing
- Aspects Of User Modeling and User Behavior Prediction
- Cloud and Grid Computing
- Context and Location Aware Applications
- Content Delivery
- Cyber-Physical System
- Decentralized Resource Management (Especially Search and Routing)
- Epidemic Algorithms
- Game-Theoretic Approaches For Network Optimization (NCG)
- Internet Of Things
- P2P Networks and Protocols, Real Time Streaming Networks
- Self-Organization and Emergence In Computer Networks
- Sensor Networks, Security and Forensic, Wired and Wireless Network,
- Sensors, Automation and Robotics.



## Description of Registration & Participation



**REGISTRATION FORM LINK :** <http://tiny.cc/zxxssz> OR <https://forms.gle/A4eNkEVLuZHAecDYA>

For Teaching Faculties, Ph.D, Masters, Bachelors Students, Researchers, Industry Delegates or any interested Citizen. Research Paper / Poster Presenters will receive - 1) Conference Proceedings Book  & 2) online Journal Publication  with Certificate. E-certificate will be provided to all the participants. (Postal charges extra)

**Research Papers, Projects & Posters invited for presentation and publication. ( Min. 1000 to Max. 3500 words)**

**Guidelines for Research Paper submission:** <http://researchculturesociety.org/icseti-oct-2020/>

Page - A4, Margin - 2.1 cm each side, Fonts - Times New Roman, Size – 11, Title – 18, Theory – 11, Figures, tables in the center, Title – Author details – Introduction – Middle Body – Conclusion – Acknowledgement – References.

**Guidelines for online poster submission: 1 PNG image & 1 page theory in PPT** (Landscape size - width : 40 cm, height : 30 cm / Portrait size : width : 30 cm, height : 40 cm )

| Submission Deadline / Last Dates : via email |            |                         |              |                      |
|--|------------|-------------------------|--------------|----------------------|
| Abstract                                     | Full Paper | Project / Poster slides | Registration | Charge / Fee Payment |
| 19/10/2020                                   | 20/10/2020 | 20/10/2020              | 21/10/2020   | 21/10/2020           |



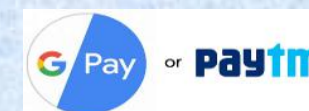
**Submission Email: JESSICAPHYSICS@gmail.com**

**Registration /Participation / Presentation / Publication Charge:** ( For Indian participants in - Rs. & For Abroad participants in - USD )

| Participants | Descriptions   | Research Scholar / Students | Teaching Faculties | Industry Delegates |
|--------------|--|-----------------------------|--------------------|--------------------|
| Categories   | With Participation + Paper Presentation (1 author / person*) | Rs.1000 / 30 USD            | Rs.1500 / 45 USD   | Rs.2000 / 60 USD   |
|              | Poster Presentation / Each Extra co-author *                 | Rs.300 / 15 USD             | Rs.300 / 15 USD    | Rs.500 / 25 USD    |
|              | Postal Charge (1 *)  | Rs.200 / 20 USD             | Rs.200 / 20 USD    | Rs.200 / 20 USD    |
|              | Only Publication (In Absentia) / Extra Book Copy             | Rs.800 / 25 USD             | Rs.1000 / 35 USD   | Rs.1500 / 45 USD   |
|              | Only Participation with e-certificate                        | Rs.100 / 11 USD             | Rs.100 / 11 USD    | Rs.100 / 11 USD    |

After Registration Participants will receive our Bank Account details through email.

Online payment option : <http://researchculturesociety.org/payment/>



**+ 91 9033767725**

**Publication:** All Selected Research Papers will be published as ISBN Book Proceedings and in Referred, Peer-Reviewed ISSN Journal with Impact Factor - 6.719.

# Advisory Committee and Session Chair

## **Vitalii Tron**

Ph.D, Associate professor, Automation, Computer Science and Technology Department, Kryvyi Rih National University. Email: aknt@knu.edu.ua

## **Serhii Ruban**

Ph.D, Associate professor, Automation, Computer Science and Technology Department, Kryvyi Rih National University.

**Prof. (Dr.) Bansi Lal Raina**, Vice-Chancellor, Starex University, Haryana, India.

**Dr. Atul Patel**, Dean & Principal, Smt. Chandaben Mohanbhai Patel Institute of Computer Applications, Faculty of Computer Science and Applications, Charotar University of Science and Technology, Changa, India

**Dr. Shailesh Shah**, Associate Professor, Faculty of Tech & Engineering, The Maharaja Sayajirao University of Baroda., India

**Klaus Dolle**, Associate Professor, Dept. of Paper and Bio-process engineering, Trinity inst. of sustainable energy and water system, College of Environment Science and Forestry, State University of New York, New York.

**Dr. Sudipta Das**, Associate Professor. Dept of Electronics and Communication Engineering IMPS College of Engineering and Technology, Malda, West Bengal, India

**Dr. K.K. Sivakumar**, Associate Professor and Head of the Department, Department of Chemistry, AMET University, Chennai. India.

**Dr. Amit Parikh**, Professor & Principal, Mehsana Urban Institute of Sciences, Ganpat University, Gujarat, India.

**Dr. Sandeep Sharma**, Deputy Director- Engineering, Desh Bhagat University, Mandi Gobindgarh, Punjab, India.

**Dr.U.C. Jha**, Professor, School of Mechanical Engg., Lovely Professional University (LPU), Jalandhar, (PB) India.

**Dr. Rajdip Devidas Utane**, Assistant Professor and Head, Department of Chemistry, Sant Gadge Maharaj Mahavidyalaya, Hingna, Nagpur, RTM Nagpur University, Maharashtra, India.

**Dr.Era Upadhyay**, Associate Professor, Amity University Rajasthan, Jaipur, India.

**Dr. Shahzad Ashraf**, Assistant Professor, College of Internet of Things Engineering, Hohai University Changzhou, China.

## **Irina Zavsegdashnyaya**

Ph.D., Associate professor, Automation, Computer Science and Technology Department, Kryvyi Rih National University.

## **GAGIK SHMAVONYAN,**

Professor & Research Scientist, National Polytechnic University of Armenia, Department of Microelectronics and Biomedical Devices, Yerevan, ARMENIA Research Scientist, Institute for physical research (IPR), Solid state physics Laboratory, NAS Armenia, Ashtarak-2, ARMENIA

**Dr.Froilan D. Mobo**, Associate Professor & Assistant Director, Department of Research and Development, Assistant Unit Head for General Education Unit, College of Marine Engineering, Philippine Merchant Marine Academy, Philippines.

**Dr. GHEORGHIU Răzvan Andrei**, Assistant Professor, “Politehnica” University of Bucharest, Bucharest, Romania.

**Wilson Udo Udofia**, Associate Professor, Department of Technical Education, State College of Education, Afaha Nsit, Akw, Ibom State, Affiliated to the University of Uyo, Nigeria.

**Dr. Rey S. Guevarra**, Professor, College of Mathematics and Education, Technological Institute of the Philippines, Philippines.

**Gianluigi de Gennaro**, Research Fellow & Industrial Liaison officer, Department of Biology, The University of Bari Aldo Moro, Bari, southern Italy.

**Dr. Hodjat Hamidi**, Assistant Professor, Department of Industrial Engineering, K. N. Toosi University of Technology, Iran

**Dr. Adil BROURI**, Assistant Professor, ENSAM, AEEE Department, Moulay Ismail University-Meknès, Morocco

**Dr. Devendra Kumar Awasthi**, Associate Professor, Dept. of Chemistry, Shri Jai Narain P.G. College Lucknow, India.

**Dr. Smruti Sohani**, Associate Professor, Institute of Biological Science, SAGE University Indore (M.P)

**Dr.S. Balakrishnan**, Associate Professor, Sri Krishna College of Engg & Technology (Autonomous), Coimbatore, India.

**Dr Meetkamal**, Associate Professor - Chemistry, Christ Church College, Kanpur, India

**Dr. Jessica Chocha**, Ph.D Physics (Conference Coordinator)

# Conference Committee and Session Chair

**Dr. Garande Vishnu Kundlik**, Horticulture Section, College of Agriculture, Kolhapur, India.

**Dr. Sanjay Gaur**, Associate Professor, Jaipur Engineering College & Research Center, Jaipur, India.

**Dr. Prasenjit Chatterjee**, Associate Professor and Head of the Department, Dept. of Mechanical Engineering, MCKV Institute of Engineering, West Bengal, India.

**Dr. Amit Kumar** Mehar Associate Professor, RAGHU Engineering College, Jawaharlal Nehru Technological University, Andhra Pradesh, India

**Dr. P. Sukumar** Associate Professor, Department of Electronics and Communication Engineering, Nandha Engineering College, Tamilnadu, India.

**Dr. Hlaing Htake Khaung Tin**, Asst. Prof, Faculty of Information Science, University of Computer Studies, Yangon, Myanmar.

**Dr. S. Muhil Vannan**, Managing Director, PAR Life Science and Research, Salem, Tamil Nadu.,

**Dr. M. Mohanraj**, Associate Professor & Head, Department of Computer Applications, Dr. SNS Rajalakshmi College of Arts and Science (Autonomous), Coimbatore, Tamilnadu, India.

**Dr. J. Vijayaraghavan**, Assistant Professor, Department of Civil Engineering, University College of Engineering, Anna University Ramanathapuram, India.

**Dr. N. Revathy** Professor, Department of MCA, Hindusthan College of Arts and Science, Coimbatore, Tamilnadu, India.

**Dr. V. KAVITHA**, Professor, PG & Research Department of Computer Applications, Hindusthan College of Arts and Science, Coimbatore, Tamilnadu, India.

**Dr. Pramod Kumar Kar**. Professor & HOD, Head of the Department in Botany Bana Bhumi College, Rangamatia, Shyamakhunta, Mayurbhanj, Odisha, India

**Dr. M. R. Arun**, Professor, ECE, PBR Visvodaya institute of Technology and Science, Nellore, India.

**Dr. J. Vijayaraghavan**, Assistant Professor, Department of Civil Engineering, University College of Engineering, Anna University, India

**Dr. T.C. Manjunath**, Professor & Head, Dept. of ECE, Dayananda Sagar College of Engg., Bengaluru, Karnataka., India

**Dr. Rizwana Mustafa**, Assistant Professor, Govt. Sadiq College Women University, Bahawalpur, Pakistan

**Dr. M. Prasad Naidu**, Assistant Professor, Dept of Biochemistry, Narayana Medical College and Hospital, Andhra Pradesh, India.

**Dr. Wunna Swe**, Professor and Head, Electrical Power Engineering Department, Mandalay Technological University, Patheingyi Township, Mandalay, Myanmar.

**Dr. Yin Yin Soe**, Associate Professor, Department of Electronic Engineering, Technological University (Thanlyin), Yangon, Myanmar.

**Dr. Gomaa**, Assistant Professor, Basic Science department, Higher Institute of Engineering and Technology, Borg Elarab Alexandria, Egypt.

**Dr. P. Booma Devi**, Christian College of Engineering and Technology, Oddanchatram, Dindigul, India.

**Dr. S. N. Padhi**, Professor & Head, Freshmen Engineering Department. K L Deemed to be University Green Fields, Vaddeswaram, Guntur District, A.P., India.

**Dr. Pokkuluri Kiran Sree**, Professor, Dept. of CSE, Sri Vishnu Engineering College for Women, Bhimavaram, India

**Dr. Arka Pratim Chakraborty**, Assistant Professor, Department of Botany, Raiganj University, West Bengal, India.

**Dr. Rupinder Singh**, Assistant Professor Department of Computer Applications Chandigarh Group of Colleges Landran, Mohali,

**Dr. Devendra Kumar Awasthi**, Associate Professor, Dept. of Chemistry, Shri Jai Narain P.G. College Lucknow, India

**Dr. Gopal Dixit**, Assistant Professor & Head, Dept. of Botany, Upadhi PG College (MJP Rohilkhand University) Pilibhit, UP, India.

**Dr. Deshmukh Amol Jagannath**, Assistant Professor Plant Pathology College of Agriculture NAU, Waghai.

**Dr. Prafull Shiram Kamble**, Assistant Professor, Sorghum Research Unit, Dr. PDKV, Akola, Maharashtra, India

**Dr. J. Immanuel Suresh**, Assistant Professor, PG Department of Immunology & Microbiology The American College, Madurai, India

**Dr. Sunil D. Kahar**, Assistant Professor & Programme Coordinator, Faculty of Tech. & Engg., Kalabhavan. The Maharaja Sayajirao University of Baroda. Indian Institute of Metal (IIM) Baroda Chapter. India

**Dr. Naga Rathna Supriya.G.**, Assistant Professor. C. G. Bhakta Institute of Biotechnology, Maliba Campus, Gopal Vidyanagar, Bardoli, Mahuva Road, Tarsadi, Gujarat, India

**Dr. Rupinder Singh**, Assistant Professor, Department of Computer Applications, Chandigarh Group of Colleges, Landran, Mohali, Punjab.