

Computational Intelligence Mechatronics and Industry 4.0 (CIMI 4.0)

Organizer(s):

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Objective: The Special Session would furnish an admirable plinth for uncluttered communication and knowledge exchange amid academicians, engineers, industrial experts, researchers, scientists and students working in the contemporary avenues of computational intelligence and its allied applications, technological expansion as well as engineering progression in Industry 4.0. It epitomizes the contemporary automation inclination and information exchange in manufacturing technologies, allied variations in third industrial revolution as the interconnection amid distinguished technologies and diverse devices. Smart factories are devised and engineered on structural and logistical modular constructions that permit amassing of massive expanses of data related to manufacturing and procedures. With the availability of the said data, it would be unforced to ensure keener and smarter decisions with an opinion tending to optimization and manufacturing competence. Although there could be a fresher interface amid user and machine, intended to diminish the time to market.

Industry 4.0 would fetch the production modus operandi completely automated, where operators, machines, components and systems are interrelated in real time and could interconnect and collaborate endowing ample aid to automate the manufacturing procedures, constructing machineries and automatic lines, from design to construction.

Topics:

We invite original (Unpublished) research contributions based on the theme including following topics, but not limited to:

- ❖ Artificial Intelligence for Inclusive Growth and Adaptive Production
- ❖ Internet of Things (IoT) Applied in Automatic Processes
- ❖ Innovative Electronic and Mechatronic Systems Applied in Production Processes
- ❖ Machine Learning Microelectronics, Circuits and Systems
- ❖ Smart Sensors, Micro Nano Sensors and Multi Sensor Systems
- ❖ Intelligent Manufacturing Systems
- ❖ Optimization Techniques
- ❖ Real Time Control and Actuation
- ❖ Innovative Technologies for Industry Applications
- ❖ Applications of Computational Intelligence

Key Dates:

Last Date of Paper Submission	24 th July, 2020
Acceptance Notification	14 th August, 2020
Camera Ready Copy Submission	11 th September, 2020