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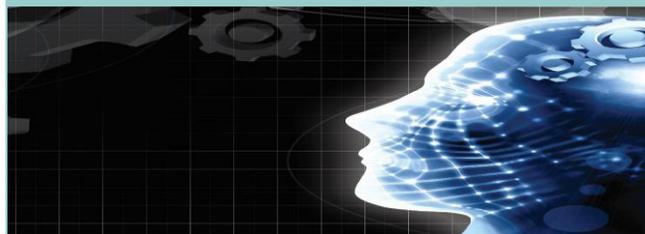**Prof. Bibhudatta Sahoo**
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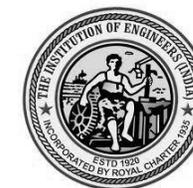*"A century of service to the Nation"*
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National Conference
on
Artificial Intelligence and IoT in Agriculture and Food Industry 4.0 (AIIAF-23)

12th - 13th August, 2023

Organized by

The Institution of Engineers (India)
ROURKELA LOCAL CENTRE
In association with
Department of Food Process Engineering &
Department of Computer Science and Engineering
NIT ROURKELA

Venue:
IEI, Rourkela Local Centre Building NIT Campus, Rourkela

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The institute of engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of over 0.8 million. Established in 1920, with its headquarters at 8 Ghokale road Kolkata-700020, IIEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering. In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honor. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among the professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the government industries, Academia and the engineering fraternity, operation from 125 centers located across the country. The institution also provides grant-in-aid to its members to conduct research and development on engineering subjects. IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The institute also awards the professional engineers(PE) Certification. For details, please visit www.ieindia.org

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Rourkela Local Centre of the Institution of Engineers (India) was established in 1964 and since then it has been organizing technical activities on topical themes for the benefit of engineering fraternity and society at large. It has successfully organized many important technical activities including three National Conventions. The activities were acclaimed by the Corporate Members and others alike.

OBJECTIVE OF THE SEMINAR

A holistic approach to several frontier areas dealing with agri-food-consumer triad, bridging the language barrier among the disciplines of agricultural, food, electronics, and computer science. The applications we have chosen for discussion are based on our experiences as well as those of high significance to the global agriculture and food industry. The IoT devices—the sources of data, basic data processing, the disruption brought about by the technology, the implementation challenges, as well as research needs. The target of the conference is at hardcore electronics, instrumentation and computer engineers, as well as, agri-food scientists, to provide an exposition of the meaningful impacts created by the new cyber–physical technologies. We hope that a cross-fertilization across the vast landscape of topics will motivate further research for building agri-food Industry 4.0.

SUB THEMES OF THE SEMINAR

- Data Analysis
- Block Chain Technology
- Drone Technology
- Cyber Physical system
- IoT in Smart Agriculture
- AI and IoT is Farm Equipment
- Spectral imaging
- AI in Food supply chain
- AI and Bigdata in nutrition and health
- Food quality and Food Safety
- Automation and Fault Detection

CALL FOR PAPER

- Original and unpublished research work/ practice on any one or more of the themes indicated above are invited from practicing engineers, academicians, R&D personnel's, consultants and manufacturers. The paper should strictly conform to the following:
- The official language for the seminar will be English for all purposes. All correspondence and the papers will be entertained only in English. There will be no arrangements for simultaneous interpretation.
- Abstract of the paper must be typed in single space within 300 words. The full text of paper must not exceed 6 pages of A-4 size in single space using new Times Roman font of size 12 including abstracts, appendices, tables illustrations and photographs. Each author must provide a master (original) and two hard copies of his/her paper along a soft copy by email/ CD in MS- word.
- SI system of units should be adopted.
- Typing should be done on one side of the A-4 size paper only with proper margin on all sides.
- Awards will be given to best papers (1st, 2nd and 3rd). All paper proceedings will be published in a CD.

ABSTRACT SUBMISSION LINK:
https://forms.gle/u8ucEAGxj6wTaBZr6

IMPORTANT DATES

Submission of Abstract	:	31-07-2023
Intimation of Acceptance	:	01-08-2023
Submission of Full Paper	:	04-08-2023
Registration	:	01-08-2023

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IE(I) Members/SAIL delegates	2500	3000
Delegates from academia	3000	3500
Sponsored delegate	5000	7000

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A limited number of rooms may be provided for visitors on first come first serve basis at NIT Rourkela guest house, subject to availability. Various types of hotels are available at Rourkela with charges ranging from Rs. 400 to Rs. 3000/-.

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