



# INTERNATIONAL ONLINE CONFERENCE ON ENGINEERING RESPONSE TO COVID-19 (IOCER COVID-19)

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**08 October**

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**09:30-10:30**

**REGISTRATION**

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**10:30-13.00**

Virtual Platform

**INAUGURAL SESSION**

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10:30 – 10:35

*Welcome Word*

**MR. SIMARPREET SINGH** – DIRECTOR, JIS GROUP  
JIS Group Educational Initiative, India

10:35 – 10:45

*A Brief about the Conference*

**PROF.(DR.) PARTHA SARKAR**–PRINCIPAL,  
JIS College of Engineering,India

10:45 – 10:55

*Role of JIS Group to Combat COVID-19*

**DR. SILA SINGH GHOSH**- VP-CORPORATE RELATION  
JIS Group, Kolkata, India

10:55 – 11:35

*Address by*

**Mr. GaurabBasu** – VICE PRESIDENT,  
Global Product at VISA, USA

11:35 – 12:15

*Address by*

**PROF. L. M. PATTANAYAK** - INDIAN INSTITUTE OF SCIENCE, BANGALORE

12:15 – 12:55

*Keynote Address*

**PROF. AJOY KUMAR RAY**– 'Padma Shri'

12:55 – 13:00

*Felicitatation by*

**SARDAR TARANJIT SINGH**–MD, JIS GROUP  
**MR. SIMARPREET SINGH** – DIRECTOR, JIS GROUP  
JIS Group Educational Initiative, West Bengal

Join Zoom Meeting

<https://us02web.zoom.us/j/81562547343?pwd=RzNvODBpS3lpVTNDOfk0VjIHeTVHdz09>

Meeting ID: 815 6254 7343

Passcode: 502665

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**13:00-14:00**

Lunch Break

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14:00-15:30 Virtual Platform

## CURTAIN RAISER SESSION

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*Thematic Address*

**Dr. Mike Hinchey** -President IFIP, Ireland

*Plenary Word – 1*

**Dr. M. Manivannan** – Professor, IIT Madras, India

*Plenary Word1 – 2*

**Prof. Indranil Sengupta** –IIT, Kharagpur, India

Join Zoom Meeting

<https://us02web.zoom.us/j/88013467043?pwd=QzNrYms5N0V6QkJSWnZ1bEtYRXppdz09>

Meeting ID: 880 1346 7043

Passcode: 779259

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15:30-18:00 Platform-1

## TECHNICAL SESSION- I:

### Track-1: Computational Science (Data analytics)

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15:30 – 15:50

**Session Chair:**Dr. M. Mahankumar, Professor, GITAM, Bangaluru, India

**Session Talk –**

**Session Moderator:** Dr. Jayanta Kr. Paul, NIT, Kolkata, India

**Session Coordinator(s):** Dr. Dharampal Singh and Mr. Sudipta Sahana

15:50 – 18:00

### Technical Paper Presentation (10 PAPERS 12 MIN. EACH)

IO CER\_2020\_paper\_11

IO CER\_2020\_paper\_15

IO CER\_2020\_paper\_39

IO CER\_2020\_paper\_53

IO CER\_2020\_paper\_104

IO CER\_2020\_paper\_151

IO CER\_2020\_paper\_120

IO CER\_2020\_paper\_75

IO CER\_2020\_paper\_63

IO CER\_2020\_paper\_65

JOIN ZOOM MEETING

[HTTPS://ZOOM.US/J/99806308264?PWD=CGNISjYOVdkUyt3YTFINzVNA1Uvdz09](https://zoom.us/j/99806308264?pwd=CGNISjYOVdkUyt3YTFINzVNA1Uvdz09)

MEETING ID: 998 0630 8264

PASSCODE: 806280

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15:30-18:00 Platform-2

**TECHNICAL SESSION- II:(10 PAPERS 12 MIN. EACH)**

**Track-2: Computation and Simulation (Automation)**

**Session Chair:** Prof.(Dr).Dr. Satyabrata Das, Veer Surendra Sai University of Technology, Burla, Odisha

15:30 – 15:50

**Session Talk** - Recent advances in IOT and it's Application

**Session Moderator:** Dr. Saradindu Panda, NIT, Kolkata, India

**Session Coordinator(s):** Dr. Bikramjit Sarkar and Mr. Soumyabrata Saha

15:50 – 18:00

**Technical Paper Presentation (10 PAPERS 12 MIN. EACH)**

**IOCER\_2020\_paper\_32**

**IOCER\_2020\_paper\_33**

**IOCER\_2020\_paper\_49**

**IOCER\_2020\_paper\_54**

**IOCER\_2020\_paper\_60**

**IOCER\_2020\_paper\_103**

**IOCER\_2020\_paper\_157**

**IOCER\_2020\_paper\_149**

**IOCER\_2020\_paper\_76**

**IOCER\_2020\_paper\_55**

**Join Zoom Meeting**

<https://us02web.zoom.us/j/84274919335?pwd=R1VvV1k4N1BQc0dWc3h4YTlhSW1rUT09>

**Meeting ID: 842 7491 9335**

**Passcode: 823760**

15:30-18:00 Platform-3

**TECHNICAL SESSION- III:**

**Track-5: Environment and Energy (Societal Impact)**

**Session Chair:** Prof.(Dr). Soumya Ranjan Mohanty- IITBHU, Varanasi

**Session Moderator:** Prof. Amlan Chakraborty, NIT, Kolkata, India

**Session Coordinator(s):** Dr. Pushpa Gaur and Dr. Bidhan Malakar

11:30 – 13:30

**Technical Paper Presentation (10 PAPERS 12 MIN. EACH)**

**IOCER\_2020\_paper\_107**

**IOCER\_2020\_paper\_129**

**IOCER\_2020\_paper\_133**

**IOCER\_2020\_paper\_44**

**IOCER\_2020\_paper\_122**

**IOCER\_2020\_paper\_140**

**IOCER\_2020\_paper\_111**

**IOCER\_2020\_paper\_12**

**IOCER\_2020\_paper\_108**

**IOCER\_2020\_paper\_90**



<https://jiscollege.webex.com/jiscollege/j.php?MTID=m6b5c99582fde9ce02e82dcaac051ed38>

Meeting number: 170 800 3347

Password: P2iguYBmU39

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## 09 October

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10:00-11:30 Virtual Platform

### CATALYTIC SESSION

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*Plenary Word 5 –*

**Mr. Sudip Majumder** – Senior Director, Industry IoT and Big Data Analytic Development, Oracle, USA

PLENARY WORD 6 -

**Dr Mausumi Chattopadhyaya** – NIT, Calicut, India

*Plenary Word 7 –*

**Dr. J. K. Mondal** – Professor, University of Kalyani, India

Join Zoom Meeting

<https://us02web.zoom.us/j/88454998776?pwd=ZnVINmNmMExGa3ZuOEIbNXBrVU1KZz09>

Meeting ID: 884 5499 8776

Passcode: 990128

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11:30-13:30 Platform 1

### **TECHNICAL SESSION- IV: (10 PAPERS 12 MIN. EACH)**

#### **Track-4: Electronics and Devices (Design and Development)**

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11:30 – 11:45

**Session Chair:** Prof.(Dr) Gopinath Palai– Professor, GITA-Bhubaneswar, India

**Session Talk**

**Session Moderator:** Dr. Anilesh Dey, NIT, Kolkata, India

**Session Coordinator(s):** Mr. Anirban Patra and Ms. Moumita Pal

11:45 – 13:30

### **Technical Paper Presentation (09 PAPERS 12 MIN. EACH)**

**IOCER\_2020\_paper\_46**

**IOCER\_2020\_paper\_31**

**IOCER\_2020\_paper\_101**

**IOCER\_2020\_paper\_148**

**IOCER\_2020\_paper\_61**

**IOCER\_2020\_paper\_105**

**IOCER\_2020\_paper\_85**

**IOCER\_2020\_paper\_86**



## IOCER\_2020\_paper\_04

Join Zoom Meeting

<https://us02web.zoom.us/j/82536477985?pwd=NXZndkNNcVVCaTNVd2xXbkVvOXpzZz09>

Meeting ID: 825 3647 7985

Passcode: 520552

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11:30-13:30 Platform-2

### TECHNICAL SESSION- V:

#### Track-3: Medical Physics (Health Perspectives)

**Session Chair:** Prof. (Dr). Santosh Kumar Mahapatra- Dean, Pharmacy, Biju Patnaik University of Technology, Odisha, India

**Session Moderator:** Dr. Lopamudra Dutta-Principal, GNIPST, India

**Session Coordinator(s):** Dr. KarabiGanguly and Mr. Rupak Bhattacharjee

15:30 – 17:30

### Technical Paper Presentation (08 PAPERS 15 MIN. EACH)

IOCER\_2020\_paper\_13

IOCER\_2020\_paper\_45

IOCER\_2020\_paper\_153

IOCER\_2020\_paper\_42

IOCER\_2020\_paper\_114

IOCER\_2020\_paper\_50

IOCER\_2020\_paper\_113

IOCER\_2020\_paper\_47

Join Zoom Meeting

<https://zoom.us/j/93339774841?pwd=cTExRHZEK1ROT2R0NklqVEJJaW56UT09>

Meeting ID: 933 3977 4841

Passcode: 639998

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11:30-13:30 Platform-3

### TECHNICAL SESSION- VI: (10 PAPERS 12 MIN. EACH)

#### Track-6: Education and Communication

**Session Chair:** Prof.(Dr).Ajit Kumar Panda - Electronics Center of Excellence (e-COE), Bhubaneswar

**Session Moderator:** Dr. Surajit Bari, NIT, Kolkata, India

**Session Coordinator(s):** Dr. Sandip Ghosh & Dr. Aninda Guha

11:30 – 13:30

### Technical Paper Presentation (10 PAPERS 12 MIN. EACH)

IOCER\_2020\_paper\_35

IOCER\_2020\_paper\_37

IOCER\_2020\_paper\_67

IOCER\_2020\_paper\_92

IOCER\_2020\_paper\_98



IOCER\_2020\_paper\_117  
IOCER\_2020\_paper\_119  
IOCER\_2020\_paper\_74  
IOCER\_2020\_paper\_79  
IOCER\_2020\_paper\_26

**Meeting Link:**

<https://jiscollege.webex.com/jiscollege/j.php?MTID=mb44a18ef3170f2128c504256cff7d2ac>

**Meeting number:** 170 957 5702

**Password:** UBuvKWYh652

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11:30-13:30 Platform-4

**TECHNICAL SESSION- VII:**

**Track-1: Computational Science (Data analytics)**

11:30 – 11:50

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**Session Chair:** Dr. Nilanjan Dey – JIS Group, India

**Session Talk –**

**Session Moderator:** Dr. Saikat Maity – JIS Group, India

**Session Coordinator(s):** Dr. Pranati Rakshit and Mr. Amrut Ranjan Jenax

11:50 – 13:30

**Technical Paper Presentation (09 PAPERS 12 MIN. EACH)**

IOCER\_2020\_paper\_66  
IOCER\_2020\_paper\_155  
IOCER\_2020\_paper\_124  
IOCER\_2020\_paper\_41  
IOCER\_2020\_paper\_52  
IOCER\_2020\_paper\_128  
IOCER\_2020\_paper\_36  
IOCER\_2020\_paper\_72  
IOCER\_2020\_paper\_51

**Meeting Link:**

<https://meet.google.com/zmv-xron-zbq>

Join by phone

(US) +1 631-910-9012 PIN: 532 828 881#

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11:30-13:30 Platform-5

**TECHNICAL SESSION- VIII:**

**Track-2: Computation and Simulation (Automation)**

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**Session Chair:** Dr. Lopamudra Dutta-Principal, GNIPST, India

**Session Moderator:** Dr. Kaushik Sarkar - NIT, Kolkata, India



**Session Coordinator(s):** Dr. Indranath Sarkar and Dr. Swagata Bhattacharjee

11:50 – 13:30

**Technical Paper Presentation (07 PAPERS 15 MIN. EACH)**

**IO CER\_2020\_paper\_16**

**IO CER\_2020\_paper\_30**

**IO CER\_2020\_paper\_99**

**IO CER\_2020\_paper\_130**

**IO CER\_2020\_paper\_150**

**IO CER\_2020\_paper\_18**

**IO CER\_2020\_paper\_131**

**Meeting Link:**

<https://meet.google.com/hoq-wtkn-xgn>

**Join by phone**

**(US) +1 575-587-5857 PIN: 641 423 613#**

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**13:30-14:30**

Lunch Break

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**14:30-16:00** Virtual Platform

**TECHNICAL SESSION-IX (Invited Talk)**

PLENARY WORD 3-*A mHealth solution for contact-less self-monitoring of vital signs parameters*

**Dr. Gabriella Casalino** -University of Bari "Aldo Moro", Italy

PLENARY WORD 4 -

**Prof. Srikanta Goswami**- NIBMG, Kalyani

PLENARY WORD 5-

**Dr. Mehboob Alam-NIT, Bhilai**

JOIN ZOOM MEETING

[HTTPS://US02WEB.ZOOM.US/J/87214353069?PWD=BLFWMiV6M1FSRTcrNGkyUG41YXG1Zz09](https://us02web.zoom.us/j/87214353069?pwd=BLFWMiV6M1FSRTcrNGkyUG41YXG1Zz09)

MEETING ID: 872 1435 3069

PASSCODE: 083779

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**16:30-17:30** Virtual Platform

**Industry Panel: Post-COVID19 – Challenges & Opportunities in Industry**

Join Zoom Meeting

<https://us02web.zoom.us/j/87629173820?pwd=Rjkvb2ppd2VDSEhSRnBxUEdleW1NUT09>

Meeting ID: 876 2917 3820

Passcode: 827575

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17:30-18:00



## CONCLUDING SESSION

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*Summary of IOCER & Announcement of next conference ICONSASA 2020*

**CONVENERS** – IOCER COVID19, JIS College of Engineering

*Vote of Thanks*

**CONVENERS** – IOCER COVID19, JIS College of Engineering

Join Zoom Meeting

<https://us02web.zoom.us/j/87629173820?pwd=Rikvb2ppd2VDSEhSRnBxUEdleW1NUT09>

Meeting ID: 876 2917 3820

Passcode: 827575

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