

NATIONAL INSTITUTE OF TECHNOLOGY - TRICHY
DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING

Workshop on Nuclear Control and Instrumentation Day – I (27.01.2020)

Robotics and Control System in the Nuclear Sector by

Dr. Guido Herrmann

**Professor of Robotics and Intelligent Control, Department of
Electrical and Electronic Engineering,
The University of Manchester, Manchester United Kingdom**



For NIT Trichy Students/Faculty there is no Registration Fee.

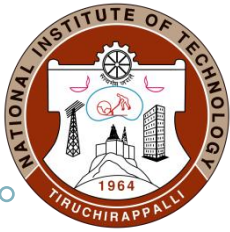
Venue : LH-09

Date & Time : 27.01.2020 & 11.00 a.m. to 12.30 p.m.

Contact:

Amit Pal - 9424467301





NATIONAL INSTITUTE OF TECHNOLOGY - TRICHY
DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING

Workshop on
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Day – I (27.01.2020)

Mathematical Modelling of Nuclear
Reactors-I:
Point Kinetics
by
Dr. A. P. Tiwari

**Outstanding Scientist & Head, Human Resource Development
Division, BARC; Senior Professor at Homi Bhabha National
Institute, Mumbai**



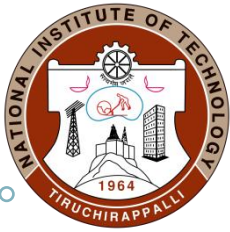
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Workshop on
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Day – I (27.01.2020)
Mathematical Modelling of
Nuclear Reactors-II:
Space -time Kinetics
by

Dr. A. P. Tiwari

**Outstanding Scientist & Head, Human Resource Development
Division, BARC ; Senior Professor at Homi Bhabha National
Institute, Mumbai**



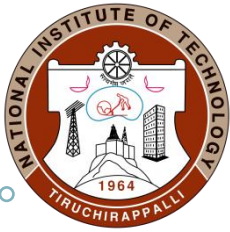
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NATIONAL INSTITUTE OF TECHNOLOGY - TRICHY
DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING

Workshop on Nuclear Control and Instrumentation Day – II (28.01.2020)

Control Systems of Power Reactors by

Dr. A. P. Tiwari

**Outstanding Scientist & Head, Human Resource Development
Division, BARC, Mumbai; Senior Professor at Homi Bhabha
National Institute, Mumbai**



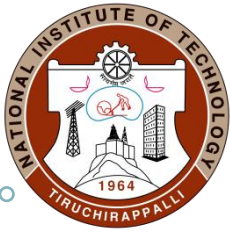
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Workshop on
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Day – II (28.01.2020)
Reactivity Estimation in
Nuclear Reactors

by

Dr. A. P. Tiwari

**Outstanding Scientist & Head, Human Resource Development
Division, BARC, Mumbai; Senior Professor at Homi Bhabha
National Institute, Mumbai**



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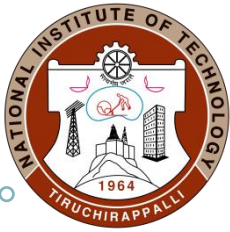
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DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING

Workshop on Nuclear Control and Instrumentation Day – II (28.01.2020)

Electronic circuits for Piezoelectric Energy Harvesting and Storage by

Mr. Raghavendran S.

Research Scholar, Dept. of ICE, NITT

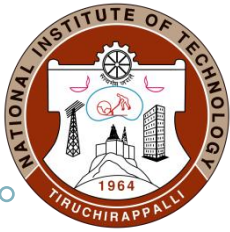


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**Workshop on
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**Recycle of nuclear materials for
novel power applications
by**

Prof. Tom Scott

**Director of the Southwest Nuclear Hub, School of Physics,
University of Bristol, Bristol, United Kingdom**



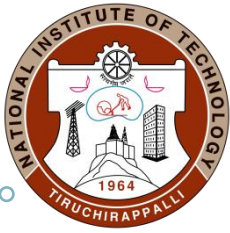
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Workshop on Nuclear Control and Instrumentation Day – III (29.01.2020)

Role of Nuclear Instrumentation in Radiological Monitoring by

Dr. N. Suriya Murthy

Scientific Officer,
Indira Gandhi Centre for Atomic Research
Department of Atomic Energy, Kalpakkam



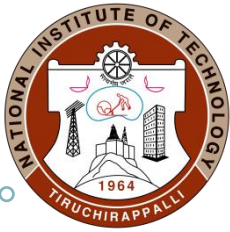
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**Workshop on
Nuclear Control and Instrumentation
Day – III (29.01.2020)**

**Resonant based MEMS magnetic
field sensor
by**

Ms. Shereen S.

Research Scholar, Dept. of ICE, NITT

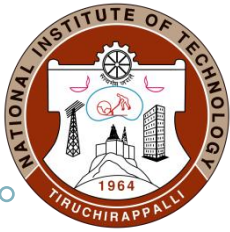


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Workshop on Nuclear Control and Instrumentation Day – III (29.01.2020)

Nuclear Powered Wireless Sensor System by

Dr. Suresh Kaluvan

(Research Associate
School of Physics, University of Bristol, Bristol, United Kingdom)

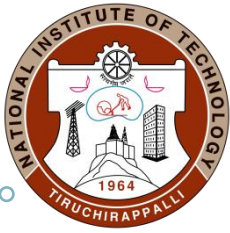


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DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING

**Workshop on
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Day – IV (30.01.2020)**

**Radiation Monitoring for
Nuclear Reactors
by**

Shri P. Y. Bansode
BARC, Mumbai

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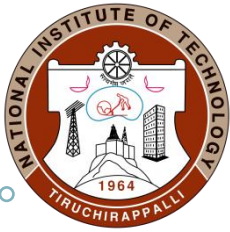
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DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING

**Workshop on
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Day – IV (30.01.2020)**

**Towards Gamma Voltaics for
Energy Harvesting
by**

Mr. Gordon Robson Mackenzie

School of Physics, University of Bristol, Bristol, United Kingdom



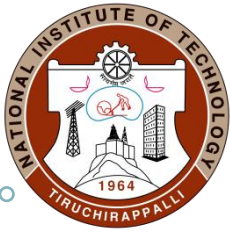
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NATIONAL INSTITUTE OF TECHNOLOGY - TRICHY
DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING

**Workshop on
Nuclear Control and Instrumentation
Day – V (31.01.2020)**

**Neutron Detectors for Nuclear
Reactors**

by

Dr. V. Balagi

BARC, Mumbai

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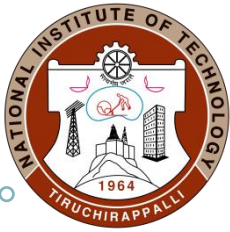
Venue : LH-09

Date & Time : 31.01.2020 & 9.30 a.m. to 11.00 a.m.

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NATIONAL INSTITUTE OF TECHNOLOGY - TRICHY
DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING

**Workshop on
Nuclear Control and Instrumentation
Day – V (31.01.2020)**

**Neutronic Instrumentation for
Nuclear Reactors
by**

Dr. V. D. Srivastava
BARC, Mumbai

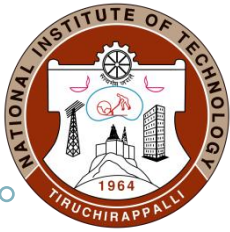
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DEPARTMENT OF INSTRUMENTATION & CONTROL ENGINEERING

Workshop on
Nuclear Control and Instrumentation
Day – V (31.01.2020)
Core temperature Monitoring in
Nuclear Fast Reactors: Importance,
Issues and Solutions

by

Shri. S. Sridhar

Associate Director (I&C, and Computer based system) Bharat
Vidyut Nigam Limited

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