



KONERU LAKSHMAIAH EDUCATION FOUNDATION

(Deemed to be University estd, u/s, 3 of the UGC Act, 1956)

(NAAC Accredited "A++" Grade University)

Green Fields, Guntur District, A.P., India – 522502

Department of Electronics and Communication Engineering

(DST - FIST Sponsored Department)



FACULTY DEVELOPMENT PROGRAMME - REPORT

International online FDP on "MEMS Based Sensors and Actuators for Biomedical Applications" by Micro Electronics Research Group, Department of ECE, KLEF. (02.11.2020 to 07.11.2020)

Chair person: Dr.M.Suman HOD, KLEF, Dr. L. Koteswara Rao, HOD, KLH.

Co-chair person: Dr. K. Srinivasa Rao, Group Head (MERG), Dept. of ECE, KLEF.

Convener: Dr.S.Sunithamani, Associate professor, Dept. of ECE, KLEF

Co-convener: Dr.C.Joshitha, Associate professor,ECE Dept. of ECE, KLEF

Co-ordinators: 1. Dr.S.ArunMetha, Associate professor, Dept. of ECE, KLEF

2.Dr.C.Santhosh, Associate professor, Dept. of ECE, KLEF

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Proposal letter

To

29-10-2020

Dr.M.Suman,
HOD,
Dept.of ECE,
KLEF.

Respected Sir,

Sub: Requisition for approval International Online FDP on MEMS based sensors and Actuators for biomedical Application (NOV 2-7,2020)

On behalf of MERG group, ECE dept, I would like to organise a Faculty Development Program(virtual mode). The title of proposed FDP is FDP on MEMS based sensors and Actuators for biomedical Application. The proposed dates are from 2-11-2020 to 7-11-2020.

The speakers list and affiliation details are given below.

Sl.No	Name and Affiliation of Speaker
1	Dr. L. Sujatha, Professor / Dept. of ECE Head, Centre of Excellence in MEMS & Microfluidics Rajalakshmi Engineering College,Chennai 602105,TamilNadu.
2	Dr. S. Raghavan, Professor (HAG) ,Retd. Department of Electronics and Communication Engineering N.I.T., Tiruchirappalli, TamilNadu.
3	Srithir Ravisekaran Research Scientist Department of physics Southern University of Science and Technology, Nanshan District, Shenzhen, China 518071

4	Dr. S. Radhakrishnan CSIR-Central Electrochemical Research Institute, Karaikudi ,Tamil Nadu, India
5	Dr. A.R. Kalaierasi, Associate Professor, Dept. of EIE ,Saveetha Engineering College, Chennai.
6	Dr.Krishnapriya, Assistant professor, Dept.of Electronics&Communication, MITS ,Cochin,Kerala.
7	Dr.Suganthi, Associate Professor, Dept.of ECE, Rajalakshmi Engineering College, Chennai 602105
8	Dr. Yuvaraj Velusamy , Associate Professor Dept.of Biomedical Engineering, Sahrdaya College of Engineering and Technology, Kodakara-680684, Thrissur, Kerala. Mobile: 99422555044 Mail: yuvarajv@sahrdaya.ac.in , dr.yuvarajvelusamy@gmail.com
9	Dr Rama S Komaragiri, Professor and Head, Department of Electronics and Communication Engineering, Dean of Academic Affairs Bennett University, Greater Noida Contact: rama.komaragiri@gmail.com, rama.komaragiri@bennett.edu.in Tel: +91 944 606 3327

10	Dr.Shanthi, Professor, Department of Signal Processing in Wireless communication and Healthcare, Institute of Electronics and Communication Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai,
11	Dr.K SrinivasaRao Professor in ECE , Research Group Head(MERG) KLEF, Vadeswaram, Guntur.
12	Dr.Aravindan Associate professor, ECE dept, KLEF, Vadeswaram, Guntur.

I request you to approve the same .

Thanking you

Yours faithfully,

**Dr.S.Sunithamani, Associate Professor,
Dept.of ECE,KLEF.**

Chair person: Dr.M.Suman HOD, KLEF.

Dr. L. Koteswara Rao, HOD, KLH.

Co-chair person: Dr. K. Srinivasa Rao, Group Head (MERG), Dept. of ECE, KLEF.

Convener: Dr.S.Sunithamani, Associate professor, Dept. of ECE, KLEF

Co-convener: Dr.C.Joshitha, Associate professor, ECE Dept. of ECE, KLEF

**Co-ordinators: 1. Dr.S.ArunMetha, Associate professor, Dept. of ECE, KLEF
2.Dr.C.Santhosh, Associate professor, Dept. of ECE, KLEF**

CIRCULAR

International online FDP on "MEMS Based Sensors and Actuators for Biomedical Applications" by Micro Electronics Research Group, Department of ECE, KLEF – Reg.

Registrar <registrar@kluniversity.in>

Thu 10/29/2020 4:45 PM

To: KLU Chancellor <chancellor@kluniversity.in>; PRESIDENT <president@kluniversity.in>; Havish <havish@kluniversity.in>; Raja H Koneru <krh@kluniversity.in>; konerurajaharin@gmail.com <konerurajaharin@gmail.com>; Dr. S S Mantha <ssmantha@kluniversity.in>; ssmantha33@gmail.com <ssmantha33@gmail.com>; Chancellor Office <chancelloroffice@kluniversity.in>; Dr.Venkat <drvenkat@kluniversity.in>; Pro Chancellor Office <prochancelloroffice@kluniversity.in>; Vice Chancellor - KLU <vc@kluniversity.in>; Dr. LSS Reddy <drssreddy@kluniversity.in>; Dr.Ramakumar Ambatipudi <drmakumara@kluniversity.in>; N Venkat Ram <venkatram@kluniversity.in>; Dean Academics <dean.academics@kluniversity.in>; DR G.P SARADHI VARMA <gpsvarma@kluniversity.in>; Pro-VC-Academics <prov-vc-academics@kluniversity.in>; Pro-VC-Academics Office <pro-vc-academicoffice@kluniversity.in>; Office Of Pro-VC <provcoffice@kluniversity.in>; Registrar <registrar@kluniversity.in>

1 attachments (2 MB)

International Online FDP on MEMS based Sensors and Actuators for Biomedical Applications-1.pdf;

Ref: KLEF/RO/HOD-ECE/2020-21

Date:29-10-2020

Orders of the Vice-Chancellor dt.29-10-2020

CIRCULAR

Sub: International online FDP on "MEMS Based Sensors and Actuators for Biomedical Applications" by Micro Electronics Research Group, Department of ECE, KLEF – Reg.

Ref: Letter dated 29.10.2020 from Dr.K. Srinivasa Rao, Micro Electronics Research Group Head forwarded by Dr. M. Suman, HoD-ECE.

This is to inform that Micro Electronics Research Group, Department of ECE, KLEF in association with IETE, Vijayawada Chapter, is organizing an International online FDP on "MEMS Based Sensors and Actuators for Biomedical Applications" for all the faculty members, research scholars and students of KLEF as per the details given below.

Dates of FDP : 02.11.2020 to 07.11.2020
Registration Link : <https://forms.gle/jfH3Z6U3oCaHD1u29>

For any queries on FDP the following personnel can be contacted.

Chair Person : Dr.M.Suman, Professor & Head of the Department, ECE
Co-Chair Person : Dr.K.Srinivasa Rao, Professor, ECE & Head-MERG
Convenor : Dr.Sunithamani, Associate Professor, ECE
Co-Convenor : Dr.C.Joshitha, Assistant Professor, ECE
Cordinators : Dr.A.Arunmetha & Dr.C.Santhosh, ECE

Brochure of the FDP is enclosed herewith.

REGISTRAR

Encl.: Brochure

Mail & Hard copy to: Hon'ble President, KLEF
KLEF

Mail to: Hon'ble Vice-Presidents,

POSTER


KL Department of Electronics & Communications
 



INTERNATIONAL ONLINE FOP ON MEMS BASED SENSORS AND ACTUATORS FOR BIOMEDICAL APPLICATIONS
 NOVEMBER 2ND - 7TH, 2020

 Dr. L. SUJATHA Professor / Dept. of ECE Head, Centre of Excellence in MEMS & Nanofabrication Regional Engineering College, Chennai-600026, Tamil Nadu.	 Dr. S. RAGHAVAN Professor (HOD), Dept. Department of Electronics and Communication Engineering IIT, Tiruchirappalli, Tamil Nadu.	 Dr. S. RAVISEKARAN Research Scientist, Department of physics Southern University of Science and Technology, Shenzhen 518055, China & IISCT.	 Dr. S. RADHAKRISHNAN Inspire Faculty CSIR-Central Electronics Research Institute, Chennai-600011, Tamil Nadu, India.
 Dr. A.R. KALAIARASI Associate Professor, Dept. of ECE, Sreejitha Engineering College, Chennai.	 Dr. KRISHNAPRIYA Assistant professor, Dept. of Electronics & Communication, MTSS, Coimbatore, Kerala.	 Dr. SUGANTHI Associate Professor, Dept. of ECE, Rajalakshmi Engineering College, Chennai-600038.	 Dr. YUVARAJ VELUSAMY Associate Professor Dept. of Biomedical Engineering, Sreejitha College of Engineering and Technology, Kollam-686006, Tirunelveli, Kerala.
 Dr. RAMA S KOMARAGIRI Professor and Head, Department of Electronics and Communication Engineering, Dean of Academic Affairs Bharath University, Greater Noida.	 Dr. SHANTHI Professor, Department of Signal Processing in Wireless communication and networks, Institute of Electronics and Communication Engineering, Sreejitha School of Engineering, Sreejitha Institute of Medical and Technical Sciences, Chennai.	 Dr. K SRINIVASARAO Professor, Research Group Head (MEMS) KLBP, Hyderabad, Andhra Pradesh.	 Dr. ARAVINDAN Associate Professor, Dept. of ECE, KLBP, Hyderabad, Andhra Pradesh.

Chair Person:
Dr. R. Surman,
HOD, KLBP,
Dr. L. Koteswara Rao,
HOD, KJA.

Co-Chair:
Dr. K. Srinivasa Rao,
Group Head (MEMS),
Dept. of ECE,
KLBP.

Convener:
Dr. S. Sunithamani,
Associate Professor,
Dept. of ECE,
KLBP.

Co-convener:
Dr. C. Jothitha,
Associate Professor,
Dept. of ECE,
KLBP.

Co-ordinator's:
Dr. S. ArunPrathibha,
Associate Professor,
Dept. of ECE,
KLBP.

Co-ordinator's:
Dr. Chella Santhosh,
Associate Professor,
Dept. of ECE, KLBP.
Mobile No: +91726663426,
santhosh@klu.ac.in

Registration Link: <https://forms.gle/fH3Z6U3oCaHD1u29>

Schedule of FDP

International Online FDP on MEMS based Sensors and Actuators for biomedical Application

(NOV 2-7,2020)

Sl.No	Date and session time	Name and Affiliation of Speaker	Topic
	Inauguration of International Online FDP on MEMS based Sensors and Actuators for biomedical Application (NOV 2-7,2020) (2-11-2020,9.00-9.15am)		
1	2-11-2020-F.N 9.30 am-11.30 am	Dr. S. Raghavan, Professor (HAG) ,Retd.,Department of Electronics and Communication Engineering N.I.T., Tiruchirappalli, TamilNadu	Bio-MEMS
2	2-11-2020-A.N 1.30 pm-3.30 pm	Dr.Shanthi, Professor, Department of Signal Processing in Wireless communication and Healthcare,Institute of Electronics and Communication Engineering,Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai,	Introduction to MEMS for Bio medical Applications.
3	3-11-2020-F.N 9.30 am-11.30 am	Dr. Yuvaraj Velusamy , Associate Professor, Dept.of Biomedical Engineering, Sahrdaya College of Engineering and Technology, Kodakara-680684, Thrissur, Kerala.	MEMES sensors and Actuators for Biomedical Applications
4	3-11-2020-A.N 1.30 pm-3.30 pm	Dr.Suganthi, Associate Professor, Dept.of ECE, Rajalakshmi Engineering College, Chennai 602105	Biosensors & BioMEMS: Evolution, Advantages and Applications
5	4-11-2020-F.N 9.30 am-11.30 am	Dr. L. Sujatha, Professor / Dept. of ECE ,Head, Centre of Excellence in MEMS & Microfluidics, Rajalakshmi Engineering College,Chennai 602105,TamilNadu.	Micro-fabrication techniques for MEMS Sensors.
6	4-11-2020-A.N 1.30 pm-3.30 pm	Dr.K Srinivasa Rao,Professor in ECE , Research Group Head(MERG),KLEF, Vadeswaram,Guntur.	Overview on MEMS Bio Sensor for Continuous Glucose Monitoring
7	5-11-2020-F.N 9.30 am-11.30 am	Dr.Krishnapriya, Assistant professor, Dept.of Electronics&Communication, MITS ,Cochin,Kerala	Magnetic MEMS Sensors based on Planar Microcoils for Immunoassays

8	5-11-2020- A.N 1.30 pm- 3.30 pm	Dr. A.R. Kalaiarasi, Associate Professor, Dept. of EIE ,Saveetha Engineering College, Chennai.	Electro thermal actuator
9	6-11-2020- F.N 9.30 am- 11.30 am	Dr Rama S Komaragiri, Professor and Head, Department of Electronics and Communication Engineering, Dean of Academic Affairs, Bennett University, Greater Noida.	MEMS Biomedical Sensors
10	6-11-2020- A.N 1.30 pm- 3.30 pm	Dr.Aravindan, Associate professor,ECE dept, KLEF, Vadeswaram,Guntur.	Evolution of Biochip Technology: LOC to OOC
11	7-11-2020- F.N 9.30 am- 11.30 am	Dr. S. Radhakrishnan,Inspire Faculty ,CSIR-Central Electrochemical Research Institute, Karaikudi ,Tamil Nadu, India	Role of Nanomaterials in Biosensors applications.
12	7-11-2020- A.N 1.30 pm- 3.30 pm	Srithir Ravisekaran ,Research Scientist, Department of physics , Southern University of Science and Technology, Nanshan District, Shenzhen, China 518071	Energy harvesting methods for healthcare and biomedical applications
Valedictory of International Online FDP on MEMS based Sensors and Actuators for biomedical Application (NOV 2-7,2020) (7-11-2020, 3.45-4.00pm)			

Dr.M.Suman, Prof and Head –ECE department,KLEF.

Research Group Head: Dr.K.Srinivasa Rao, Professor,ECE dept, KLEF.

Convener: Dr. S.Sunithamani, Associate professor,ECE dept, KLEF. Co-convener: Dr.C.Joshitha, Associate professor,ECE dept, KLEF.

Co-ordinators: 1. Dr.S.ArunMetha, Associate professor,ECE dept, KLEF. 2. Dr.C.Santhosh, Associate professor,ECE dept, KLEF.

Inauguration of International Online FDP on MEMS based Sensors and Actuators for Biomedical Application

(NOV 2-7, 2020)

Inauguration: 2-11-2020, 9.00 am -9.30am

9.00-9.10: Participants Joining

- 9.10-9.15: Welcome speech by Dr.K.Srinivasa Rao, MERG Head, KLEF.**
- 9.15-9.20: Inaugural speech by Dr.K Subbarao, Principal , COE,KLEF.**
- 9.20-9.23: Felicitation by Dr.Vinay Kumar Mittal, Chair**
- 9.24-9.26: Felicitation by DrM.Suman, HOD-ECE,KLEF.**
- 9.27-9.30: Vote of thanks by Dr.S.Sunithamani, Convener –FDP.**

Organizing Team,

Chair Person's: Dr. M. Suman, HOD, KLEF & Dr. L. Koteswara Rao, HOD, KLH.

Co-Chair: Dr. K. Srinivasa Rao, Group Head (MERG), Dept. of ECE, KLEF.

Convener: Dr..S. Sunithamani, Associate Professor, Dept. of ECE, KLEF.

Co-convener: Dr. C. Joshitha, Associate Professor, Dept. of ECE, KLEF.

Co-ordinator's: 1. Dr. S. ArunMetha, Associate Professor, Dept. of ECE, KLEF.

2. Dr. Chella Santhosh, Associate Professor, Dept. of ECE, KLEF.

Mobile No: +917288863426, csanthosh@kluniversity.in

Valedictory of International Online FDP on MEMS based Sensors and Actuators for Biomedical Application

(NOV 2-7, 2020)

Valedictory: 7-11-2020, 3.30 pm -4.00pm

9.00-9.10: Participants Joining

- 3.30-3.35: Welcome speech by Dr.K.Srinivasa Rao, MERG Head, KLEF.**
- 3.35-3.40: Inaugural speech by DrM.Suman, HOD-ECE,KLEF.**
- 3.40-3.45: Felicitation by Dr.Vinay Kumar Mittal, Chair**
- 3.45-3.55: Felicitation by Guest of honour**
- 3.55-4.00: Vote of thanks by Dr.S.Sunithamani, Convener –FDP.**

Organizing Team,

Chair Person's: Dr. M. Suman, HOD, KLEF & Dr. L. Koteswara Rao, HOD, KLH.
Co-Chair: Dr. K. Srinivasa Rao, Group Head (MERG), Dept. of ECE, KLEF.
Convener: Dr..S. Sunithamani, Associate Professor, Dept. of ECE, KLEF.
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2. Dr. Chella Santhosh, Associate Professor, Dept. of ECE, KLEF.
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Department of
Electronics & Communications



Micro Electronic Research Group
International Online FDP

on

MEMS based Sensors and Actuators for Biomedical Application

November 2nd -7th, 2020

Valedictory Function

Date - 7th November, 2020; Time - 3.30 pm - 4.00 pm

3.30-3.35 : Welcome speech by **Dr.K.Srinivasa Rao**, MERG Head, KLEF

3.35-3.40 : Valedictory speech by **Dr. M. Suman**, HOD-ECE, KLEF

3.40-3.45 : Felicitation by **Dr. Vinay Kumar Mittal**, Chair, ECE, KLEF

3.45-3.55 : Felicitation by Guest of honour

Dr. K Nageswari, Sr. INUP Program Manager, IIT Bombay

3.55-4.00 : Vote of thanks by **Dr. S. Sunithamani**, Convener –FDP

Chair Person's:
Dr. M. Suman,
HOD, KLEF
Dr. L. Koteswara Rao,
HOD, KLH.

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