

Dr. Babasaheb Ambedkar Marathwada University,

Department of Computer Science & Information Technology

NAAC Re-Accredited With 'A'

Professor Dr. K. V. Kale,

PhD FIETE FSSARS SMIEEE SMCSI

Professor of Computer Science and IT,

Former HoD & Director BCUD,

RUSA Coordinator, Dr. BAMU,

Program Coordinator, UGC- SAP DRS-II,

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Ref. No. /CSIT/2017/ 121

Date: 10/10/2017

To,
The Registrar,
Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad

Subject: USA visit for academic, research discussion & collaboration and to deliver an invited talk...regarding

Reference: 1. ESTT/DEPT/2017/400, dated :15-04-2017, 2. Ref.No.CSIT/2017/87, dated:22-09-2017

Sir,

With reference to the subject noted above, I would like to inform you that I have visited Colorado School of Mine University, Golden, USA for the purpose of academic, research discussion & collaboration and also to deliver an invited talk at EMN conference meeting at Orlanodo, USA during 27-Sept-2017 to 09-Oct-2017.

I have completed this visit successfully for the purpose and resume my duty on 10th October 2017. The report of the conference and its participation certificate is enclosed herewith for your office perusal and request to record and take a note of this abroad visit in my service book.


For this USA visit the total expenditure of ₹1,78,659/- is incurred and spent by me towards TA(₹119550/-), registration fees (₹47909/-[USA \$748]) and visa fees (₹11,200/-) and local accommodation, food and hospitality is provided by the concerned institute and organization to me during my stay in USA for the purpose.

In view of this you are kindly requested to reimburse the above expenditure to me from the university appropriate (Workshop/Conferences/ Foreign Visit) budget head as per the university norms and applicability.

Please do the needful.

Thanking you.

Yours,


Professor K. V. Kale

CC To:

1. The OSD(Stata and Plan Section), Dr. B. A. M. University A`bad for information and necessary action
2. Director, IQUAC, Dr. B. A. M. University Aurangabad for information

Encl:

1. Detail Report
2. Participation Certificate
3. Bills of TA, Registration and Visa fees

F.W.C. to the Registrar

HEAD

Dept. of Computer Science &

Information Technology

Dr. B.A.M. University, Aurangabad


Dr. K.V. Kale

Professor

Department of Computer Science & IT,
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad - 431004



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Certificate of Attendance

Karbhari Vishwanath Kale

Babasaheb Ambedkar Marathwada University, India

Attended the **EMN Meeting on Environment and Materials 2017**.

The conference took place from October 2 to October 6, 2017 at Radisson Resort Orlando-Celebration hotel, Orlando, USA

Dr. **Karbhari Vishwanath Kale** presented an Invited Talk on:

Soil Nano Materials Detection of Farming Sites by means of Visible and Near-Infrared Diffuse Reflectance Spectroscopy

Signature: _____

Zhiming Wang

EMN Meeting on Ultrafast 2017 General
Chair

Date: _____



10/6/2017

Dr. K.V. Kale

Professor

Department of Environmental Science & Tech.
Dr. Babasaheb Ambedkar Marathwada University, Aurangabad - 431004

Open-Access Publication and Conference Management by Scientists and for Scientists



EMN Meeting on Environment and Materials.
Energy Materials Nanotechnology.
October 2to6, 2017 Orlando USA.

SOUTH POINT

Dr. Karbhari Vishwanath Kale
M.Sc, M.C.A [Engg. and Tech.], B.Ed, Ph.D, FIETE, Senior Member IEEE
Department of Computer Science and Information Technology
Dr. Babasaheb Ambedkar Marathwada University
Aurangabad, Maharashtra, India - 431 004
The India

August 17, 2017

Invitation To Speak At The EMN Environment and Materials Meeting

Dear Karbhari Vishwanath Kale

On behalf of the organizing committee, we are pleased to invite you to deliver an invited talk in for the Energy Materials Nanotechnology (EMN) Environment and Materials Meeting, which will take place from October 2 to 6, 2017 at the Orlando ,USA. Your speech is scheduled for October 4th. Detailed information is available on <http://emnmeeting.org/Americas/emn-meeting-on-environment-and-materials/>.

The EMN meeting began in 2008 as a small workshop held at a traditional villa in Orlando, Florida. Since then it has grown steady and become a global event on the general theme of Energy, Material and Nanotechnology. We have annual meetings in USA (Orlando, Las Vegas), Mexico (Cancun), China (Beijing, Chengdu, Hong Kong), Thailand (Phuket, Bangkok) and Turkey (Istanbul).

The EMN Environment and Materials Meeting will continue to promote global collaboration with great social activities. It is going to be a unique platform for leading scientists, researchers, scholars and engineers from academia, R&D laboratories and industries around the world to exchange, share and learn the most recent advancement on various aspects related to ultrafast research.

We are looking forward to welcoming you at the EMN Environment and Materials Meeting.
Sincerely,

Arup Neogi
Department of Physics
University of North Texas
Denton, Texas 76203, USA
Phone: +001(940) 369-8437

Dr. K.V. Kale
Professor
Department of Computer Science & IT,
Dr. Babasaheb Ambedkar Marathwada
University, Aurangabad - 431004

USA Visit Report

(27-Sept-2017 to 09-Oct-2017)

I have visited to USA during the period of 27-Sept-2017 to 09-Oct-2017 for the purpose of initiating academic research collaboration and deliver invited talk. During this visit I have performed the various research and academic activities which are summaries briefly as bellow:

- Visit to ASD Inc. Hyperspectral factory plant (30-Sept.-2017):

The department has purchased filed spectra4 instrument under FIST program. The manufacturer of this instrument is ASD Inc. Company located at Logmont, Colorado. The advance version of this instrument is also developed by this company and department would like to purchase similar type of device in future to study and develop the various applications in Geospatial Technology. I tap this opportunity to visit this plant. Accordingly I have visited this plant along with Mr. David Hatchell- senior technical sells global manager of ASD Company. All the technical experts demonstrated and explain me about the advance system of filedspectra4 of around 4 hours and open the challenges and opportunity to develop the new system and tools for handling the geospatial technology applications.

- Visited the local heritage of Denver, CO (31-Sept.-2017)
- Visited the Chemical and Biological Engineering, CSM University, Golden (01- Oct.-2017):

Visited the research laboratory, discuss the problems and challenges regarding the implementation of LabView, Matlab and Simulation in active Microrheology with my daughter Shalaka Kale a research student of this department and along with her colleagues and professor and opens new challenges for system development in the field.

- Visit to department of Mining Engineering, CSM University, Golden(02- Oct.-2017):
Special meeting with Professor H. Sebnem Düzgün. **Düzgün's main research areas involve quantitative risk and resilience assessment in geohazards, structural reliability in rock engineering, spatial and spatio temporal data analysis and mining, Earth observation in geosciences, simulation and serious gaming for technical training, agriculture applications.**

We had a long lasting discussion with her about the opportunities and challenges in Geospatial Technology at a global level. As per the common interest of the research domain at both ends she had showing her interest and invites me for the collaboration of research and development at individual and at institutional level through adaptation of MOU process on both sides. **We mutually agreed to initiate the process of common research interest domain and formulation of MOU as early as possible.**

- Participation in the International EMN, Orlando, USA (03- 06 Oct.-2017):
I have been invited specially to deliver the invited talk on Geospatial Technology for soil and material by the organizer of Energy Materials Nanotechnology (EMN) Environment and Materials Conference Meeting during 02-06 Oct. 2017 at Orlando, USA. Accordingly I have delivered my talk on “Soil Nanomaterial detection of Farming Sites by means of Visible and NIR diffuse reflectance spectroscopy ” on 4th Oct. 2017. This conference is organized a different way and consist of very specific and core domain research outcome invited talks only on EMN. From all over the world 41 scientist delivered their invited talks during the conference most of them are very reputed and top 200 rank position university professors. I am very much fortunate and feel proud say that I am one of the invited speaker from my university and India to participate and be a part of this intellectual conference meeting. Lot of discussion, deliberation, issues and some of the solutions related to the burning topic of EMN has been discussed, delivered and opened (list is enclosed). During these 04 days I had interact and discuss so many technical issues and taped the opportunities for research and collaboration. I am happy to share that Prof. Takahiro from Tokyo University of agriculture, Japan, Prof. Lorena, Pontificia University, Republic of Chile, Prof. Ding, Institute of High Performance Computing, Singapore, Prof. Portia, Massachusetts Maritime Academy, USA shows their interest for academic and research collaboration with us.

Through this USA visit lot of things in terms of research, academic, and cultural exchange that I study and understand in a better way which definitely found me and my entire research and academic community to move ahead one step for the development advance research in Geospatial Technology and its related MOU's among the individual and institutional level. At the outset I take this opportunity to thank my Hon'ble Vice Chancellor, Registrar, University Authority, my fellow colleagues and research students for their kind support, motivation and encouragement to make this visit grand success.



Professor K. V. Kale,
Department of Computer Science and IT,
Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad (MS), India

Program for EMN Orlando Meeting

October 2-6, 2017, Orlando, USA

Monday October 2, 2017

14:00-17:00

Onsite registration & Sign up

Tuesday October 3, 2017

Room A

8:20-8:30

Opening Ceremony

Session: Keynote(Ultrafast)

Chair: Katharine Moore Tibbetts

8:30-9:05

A01: Photon handling of extreme-ultraviolet and x-ray ultrashort pulses

Luca Poletto
National Research Council - Institute of Photonics and Nanotechnologies, Italy

9:05-9:40

A02: Electron/Hole Transformation between Two Atomic Layers

Junrong Zheng
Peking University, China

Session: Ultrafast General I

Chair: Michael J. Abere

9:40-10:05

A03: Dissociation Dynamics of Dimethyl Methylphosphonate (DMMP) Radical Cation Driven by Ultrafast Wavepacket Motion and Isomerization

Katharine Moore Tibbetts
Virginia Commonwealth University, USA

10:05-10:30

A04: Theory of Ultrafast Electron Emission

Peng Zhang
Michigan State University, USA

10:30-10:45

Session Break

Session: Ultrafast General II

Chair: Luca Poletto

10:45-11:10

A05: Two-temperature Modelling in Femtosecond Laser Ignition of Reactive Nanolaminates

Michael J. Abere
Sandia National Laboratories, USA

11:10-11:35

A06: Ultrafast spin dynamics studied by time-resolved soft x-ray measurements

Hiroki Wadati
University of Tokyo, Japan

16:05-16:30	A12: Monolayer TMDC phototransistor array for manufacturing prototype monolithic 3D image sensor	Chih-Chao Yang National Nano Device Laboratories (NDL), Taiwan
Session: Environment and Materials General I		Chair: Emanuele Mandanici
16:30-16:55	A13: Environments versus corrosion of metals: testing and results interpretation	Lucien Veleva CINVESTAV-IPN, Mexico
16:55-17:20	A14: Nondestructive 3D hard material characterization with high energy synchrotron X-ray phase-tomography	Huiqiang Liu Xinjiang Medical University, China
17:40	Dinner Social	

Wednesday October 4, 2017		
Room A		
Session: Ultrafast General III		Chair: Michael J. Abere
8:30-8:55	A15: Magneto-optics in the 25 T Split-Helix Magnet	Stephen McGill National High Magnetic Field Laboratory in Tallahassee (Florida), USA
8:55-9:20	A16: Ultrafast Optical Sampling and Its Applications in Imaging, Spectroscopy and Lidar	Lingze Duan The University of Alabama in Huntsville, USA

Wednesday October 4, 2017

Room A

Session: Supramolecular General II

Chair: Kim R. Dunbar

14:00-14:35	A23: To be announced	Richard J. Spontak North Carolina State University, USA
14:35-15:00	A24: To be announced	Kei Ohkubo Osaka University, Japan
15:00-15:25	A25: Nano supramolecular photocatalytic materials for water remediation	Lorena Barrientos-Poblete Pontificia Universidad Católica de Chile, Republic of Chile
15:25-15:50	A26: To be announced	Veronika Kozlovskara University of Alabama at Birmingham, UK
15:50-16:15	Poster Session & Break	
Session: Environment and Materials General II		Chair: Karadimou Despoina
16:15-16:40	A27: Thermal remote sensing in urban environments	Emanuele Mandanici University of Bologna, Italy
16:40-17:05	A28: High Density Vacuum Nanoelectronic Devices by Transfer Mold Method for Green Electronics	Masayuki Nakamoto Shizuoka University, Japan
17:05-17:30	A29: Advanced NDE technology for aerospace application	George Dovgalenko Stratford University, USA
17:50	Dinner Social	

11:40-12:05	A37: The Trends on Decoration of Metal Oxide by Carbon Nanotube for Gas Sensor Applicataion	Brian Yulianto Institut Teknologi Bandung, Indonesia
12:05-12:30	A38: MEMS sensors: Applications in condition monitoring of Electrical Equipment	Vishwanath Hegde Malnad College of Engineering, India
12:40-14:25	Lunch Break	

Thursday October 5, 2017		
Room A		
Session: Ultrafast General V		Chair: Travis Jones
14:25-14:50	A39: Optoelectronic properties of implanted semiconductors investigated via time-domain Brillouin scattering	Halina Krzyzanowska Vanderbilt University, USA
14:50-15:15	A40: Real space observation of multiferroic domain control in spin-driven ferroelectrics	Masakazu Matsubara Tohoku University, Japan
15:15-15:40	A41: Ultrafast Protein Local Structural Dynamics Studied by 2D IR Spectroscopy	Jianping Wang ICCAS, China
15:40-15:55	Session Break	
Session: Environment and Materials General IV		Chair: Lucien Veleva
15:55-16:20	A42: Construction and demolition waste – a huge material resource for the building industry	Christian J. Engelsen SINTEF Building and Infrastructure, Norway