

14/09/2011

Indo-French Seminar on
**“Modelling and analysis of complex systems for communications,
health and sustainable development”**

**September 26, 27 & 28 2011,
Hotel Le Meridien, Bangalore, India**

Programme

Monday, September 26, 2011

09.00-11.00 hrs Welcome & Introduction

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| Dr. A. Amudeswari, Director, CEFIPRA: Welcome and introduction about the activities of CEFIPRA |
| Dr. Véronique Briquet-Laugier, Head of the Science Department of the French Embassy: Framework of Indo-French Cooperation (funding opportunities, etc.) |
| Dr. Michel Cosnard, CEO & Chairman, INRIA: Presentation of the French National Institute of Research in Digital Sciences |
| Dr. N.Balakrishnan, Indian Institute of Science: Education, Research and Development Consortia between Government, Industry and Academia |
| Mr. Raghu Cavale, Vice President & Head of India Business, Infosys: "The interplay of health, communication and energy for sustainable growth in India" |
| Dr. Thierry Louvet: Presentation by Systematic Paris Region cluster and key representatives (Alcatel Lucent Bell Labs, CEA List, INRIA) |
| Prof. Veni Madhavan, Chairman, Society for Innovation & Development: Modelling and Analysis of Innovation Clusters |

11.00-11.30 hrs Break

11.30-13.00 hrs Session 1: Modelling and Analysis of complex systems for communications

Chair: Dr N. Balakrishnan, Indian Institute of Science Bangalore

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| 11.30 - 12.00 hrs: Dr. Vinod Kumar, Alcatel Lucent Bell Labs, Villarceaux: Wireless networks. |
| 12.00 - 12.30 hrs: Mr.Sirish Reddi, Voxta, Hydrabad: Speech recognition and machine learning |
| 12.30 - 13.00 hrs: Dr. V.Gopalakrishna, Integra Microsystems, Bangalore: Wireless Communication Applications, |

13.00-14.00 hrs Lunch

14.00-15.30 hrs Session 1 Contd: Modelling and Analysis of complex systems for communications

Chair: Dr. H el ene Kirchner, INRIA, France

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| 14.00 - 14.30 hrs: ISRO, Bangalore |
| 14.30 - 15.00 hrs: Dr Anurag Kumar, Dr Vinod Sharma, IISc, Bangalore Design and Analysis of IEEE 802.15.4 Multi-Hop Wireless Networks for Industrial Sensing Applications |
| 15.00 - 15.30: Dr.Sondur Lakshmipathi, CEO, MyMo wireless Technologies, Bangalore |

15.30-16.00 hrs Break

16.00-18.00 hrs Session 2: Modelling and analysis of complex systems for health

Chair: Prof. Veni Madhavan, Society for Innovation & Development

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| 16.00 - 16.30 hrs: Ms.Nora Benhabiles, CEA LIST Health Strategic Parntership Manager, Saclay: From Raw Data to Predictive Insight – Application to e-medicine |
| 16.30 - 17.00 hrs: Dr Amaresh Chakrabarti, Dr P.V.Kumar, Dr Mary Mathew, Dr Y.Narahari, IISc, Bangalore, Health Informatics and Sustainable Growth |
| 17.00 - 17.30 hrs: Mr.Kevin Devasia, Sr.Manager, Apollo Telemedicine Networking Foundation, Chennai, “Telemedicine-Bridging the Health Divide” |
| 17.30 - 18.00 hrs: Prof.M.Sridhar, Dean A&P/IEQA, Bharath University, Chennai, Sensor Network Architecture for CPMON Applications |

19.30 hrs Dinner

Tuesday, September 27, 2011

09.00-11.00 hrs Session 2 Contd : Modelling and analysis of complex systems for health

Chair: Ms. Karima Nahhal, CEA List

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| 09.00 - 09.30 hrs.: Dr.Frédéric Cazals, INRIA: Geometric and Topological Modeling in Structural Biology and Biophysics |
| 09.30 - 10.00 hrs: Dr. Hussein Yahia, INRIA Geostat team: "Multiscale methods in the analysis of heartbeat data. Application to Atrial Fibrillation." |
| 10.00 - 10.30 hrs: Prof.Vijay Kumar, Indian Institute of Science, Bangalore: "Code Design for Distributed Storage" |
| 10.30 - 11.00 hrs. : Biocon, Bangalore |

11.00-11.30 hrs Break

11.30-13.00 hrs Session 3: Modelling and analysis of complex systems for sustainable development

Chair: Mr. Thierry Louvet, Systematic

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| 11.30 - 12.00 hrs: Dr. Cédric Auliac, CEA LIST, Lab for Systems Modelling and Simulation, Saclay: Distributed and hierarchical intelligence for smart grids |
| 12.00 - 12.30 hrs: NAL, Bangalore |
| 12.30 - 13.00 hrs: Mr.Venkatesh Murthy, NASSCOM |

13.00-14.00 hrs Lunch

14.00-15.30hrs Session 3 Contd: Modelling and analysis of complex systems for sustainable development

Chair: Mr. Raghu Cavale, Infosys

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| 14.00 - 14.30 hrs.: Dr.Christian Simonneau, Alcatel Lucent Bell Labs: High-speed Optical Networks for green telecommunications |
| 14.30 - 15.00 hrs: Dr.S.V.Subrahmanya, Infosys, Bangalore: Energy audit in Enterprise : Mobile based health care data mining system |
| 15.00 - 15.30 hrs: Dr. Hussein Yahia, INRIA Geostat team: "Non-linear signal processing for Earth Observation. A case study for a physical approach to complex signals" |

15.30-16.00 hrs Break