

DST-Inria –CNRS Programme

Completed Projects

S.no.	Title	PIs
1	Personalized Mobility Services for Urban Travelers	Dr. Pushpender Sigh, IIT Delhi & Dr. Animesh Pathak , INRIA France
2	Basal Ganglia at Large	Dr. Bapi Raju, Univ. of Hyderabad Dr. V. Srinivasa Chakravarthy, IIT Madras & Dr. Fedric Alexandre, LaBRI, Inria France
3	Algorithmic Verification of Real time systems	Dr. S.Krishna IIT Bombay & Dr. Frederic Herbreteau, Institut Polytechnique de Bordeaux, CNRS

4	Optimal Inference in complex and turbulent data	Dr. Dharmendra Singh, IIT roorkee & Dr. Hussein Yahia, Inria France
5	Evolving Communities and Information Spreading	Dr. Bivas Mitra IIT Kharagpur & Dr. Jean Loup Guillaume, CNRS, France
6	Post-stroke tele-neurorehabilitation using an operant conditioning paradigm under volitionally driven transcutaneous neuromuscular electrical stimulation	Dr. Uttma Lahiri, IIT Gandhinagar & Dr. Anirban Dutta Inria France
7	Automated Verification of concurrent Software	Prof. Madhav Mukund, Chennai Mathematical Institute & Dr. Ahmed Boujjani, CNRS, France
8	A big data perspective for energy management in smart grids and dwelling.	Prof. Ujjwal Maulik, Jadavpur University & Prof. Sangmitra Bandhopadya ISI Kolkatta & Dr. Corinne Touati, LIG lab Inria

9	Reflection Aware ICC Analysis Framework for Android Apps	<p>Dr. Vijay Laxmi, Malaviya national Institute of Technology, Jaipur</p> <p>&</p> <p>Prof. Akka Zammari Univeirsty of Bordreaux, Bordreaux</p>
10	Modelling and control of mobile cooperating bionic arms	<p>Prof. Pushparaj Mani Pathak, IIT Roorkee</p> <p>Prof. A.K.Samantaray, IIT Kharagpur</p> <p>Prof. Rochdi Merzouki, Ecole Poyltechnique, Univeriste de Lille</p>
11	Study of Privacy, Accountability and Ownership in IoT	<p>Dr. Manik Lal Das Dhirubhai Ambani Insitute of Information and Communication Technology</p> <p>&</p> <p>Dr. Lafourcade Pascal, Univeristy Clermont Auvergne</p>
12	Polyhedral Compilation and Optimization for Data-Flow Programming Languages	<p>Prof. Uday Kumar Reddy Bondhugula, IISc Bangalore</p> <p>&</p> <p>Porf. Labert Cohen, Ecole Normale Superieure, France</p>

13	Learning from BigData: First-Order methods for Kernels and Submodular functions	Prof. Chiranjib Bhattacharyya IISc Bangalore & Prof. Francis Bach, Inria
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S.No	Title	Indian PI & address	French PI & address
1	IoT software Testing using Timed Automata	Prof. B. Srivathsan, Chennai Mathematical Institute, Chennai	Dr. Igor Walukiewicz, LaBRI (Bordeaux), UMR CNRS 5800
2	Looking Beyond Backpropagation in Deep Learning	Dr. Angshul Majumdar, Indraprastha Institute of Information Technology, New Delhi	Dr. Emilie Chouzenoux, LIGM UMR CNRS 8049, Université de Paris-Est Marne-la-Vallée
3	Modelling of Human Intention during Gait Rehabilitation	Dr. Neelesh Kumar, Principal Scientist, Biomedical Instrumentation Unit, CSIR-CSIO, Chandigarh	Dr. Ahmed Chemori, CNRS Research Scientist, LIRMM CNRS/University of Montpellier 2
4	Machine Learning for Network Analytics	Prof. Vivek S. Borkar, Indian Institute of Technology, Bombay	Dr. Konstantin Avrachenkov (Inria Sophia Antipolis)

S.No	Title	Indian PI & Affiliation	French PI & Affiliation
1	Formal Verification of Autopilot Software for UAVs	Dr. Indranil Saha, Indian Institute of Technology Kanpur	Dr. Goran Frehse, Laboratoire Verimag Université Grenoble Alpes, Grenoble
2	Games and Optimization for Energy Management with Stochasticity -GOEMS	Dr. Vikas Vikram Singh, Indian Institute of Technology Delhi	Dr. Abdel Lisser, Laboratoire de Recherche en Informatique (LRI) Université Paris Sud, Paris
3	Efficient Quantitative Verification	Dr. S. Akshay, Indian Institute of Technology Bombay, Mumbai	Dr. Loïc Hélouët SUMO Team, INRIA CR1, Rennes
4	FogCity: QoS-Aware Resource Management for Smart Cities	Dr. Sudip Misra, Indian Institute of Technology, Kharagpur	Dr. Christine Morin, Inria
5	Design Automation for Intelligent Vision Hardware in Cyber	Dr. Sharad Sinha, Assistant Professor, Indian Institute of Technology (IIT) Goa	Prof. Olivier Sentieys, INRIA and University Rennes 1 (INRIA Project Team: CAIRN), Rennes