

Results of the 2018 call of projects

IRSDI

Project Leader	Title	Laboratories Name
Dufour Francois	Calcul de stratégies quasi-optimales de maintenance par les processus markoviens déterministes par morceaux	Inria bordeaux Sud Ouest
Gaudoin Olivier	Predictive maintenance strategy for systems submitted to multivariate degradation with dynamic covariates and imperfect maintenance	Laboratoire Jean Kuntzmann - GIPSA-lab, Grenoble
Qiwei Yao	Analysing and Forecasting Large Electricity Consumption Data	Department of statistics LSE
Jacques Julien	Analyzing large datasets of multivariate functional data	ERIC EA3083 - Laboratoire J.A. Dieudonné, Nice
Palpanas Themis	Signature-Based Disaggregation of Electricity Demand	LIPADE
Vazquez Emmanuel	Bayesian Optimization On Trees. Application to Nuclear power reactor fuel assembly.	Laboratoire des Signaux et Systèmes (L2S)
Hudelot Céline	Using deep learning and ontologies to estimate the interest of building renovations from street-view images	Mathématiques et Informatique pour la Complexité des Systèmes
Jairo Cugliari	Generatng Specialized Biased Experts for Electricity and Polluton Forecastng using Online Mixture - Funded by LMH	ERIC EA 3083 - LPE, Montevideo - LMO, Orsay

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François Roueff	Extraction de descripteurs génériques synthétisant les informations contenues dans les courbes de consommation électrique d'un parc de bâtiments comparables à partir d'une analyse en composantes principales fonctionnelle - Funded by LMH	LTCI - EDF R&D, Les Renardières, Chatou.
Mathilde Mougeot	Clustering And Modelling Electrical Equipments	Laboratoire de Probabilités, Simulations Modélisation
Pablo Piantanida	Exploitation de données issues du Smart Grids avec une garantie de confidentialité	Laboratoire des Signaux et Systèmes (L2S)

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IRMER

Project Leader	Title	Laboratories Name
Amini Massih-Reza	Sequential Optimization over Users Implicit Feedback in Large-scale Recommender Systems	Laboratoire d'Informatique de Grenoble
Marinca Dana	Modeling User Temporal Dynamics in Advertising Recommendation Systems	DAVID
Pirotta Matteo	Theoretically grounded efficient algorithms for high-dimensional and continuous reinforcement learning	Sequel Team (Inria Lille Nord-Europe)

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IROE

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Jozefowicz Nicolas	Algorithms for Vehicle routing problems with optimal Route constraints for Equity in Logistics (AVeREL)	LCOMS - CRIStAL, Lille
Addis Bernardetta	the Impact of optiMization in PRocESs Synthesis	LORIA (Nancy)
Beldiceanu Nicolas	business constraints for short term unit rescheduling : sliding and conditional QRE	IMT ATLANTIQUE
Blavette Anne	Fully-decentralised optimization based on Adaptive Multi-Agent SysTEms (NAMASTE)	SATIE (UMR 8029)
Brotcorne Luce	Design and Pricing of Electricity Services in a Competitive Environment (demande de prolongation de 3 mois de la thèse financée par PGMO sur ce projet).	INRIA - INOCS
Busic Ana	Distributed control of flexible loads	Inria Paris Research Centre
De Oliveira Welington	Models for planning energy investment under uncertainty	Centre de Mathématiques Appliquées - CMA MinesParisTech - EDF, Paris Unicamp, Campinas, Brazil State University of O'Higgins and CMM, Santiago, Chile CMM, Santiago, Chile
Frangioni Antonio	Multilevel Heterogeneous Distributed Decomposition for Energy Planning with SMS++	Dipartimento di Informatica, Università di Pisa

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Henrion René	Accounting for uncertainty in distribution networks	Weierstrass Institute for Applied Analysis and Stochastics, Berlin, Allemagne
Laraki Rida	DAMPER: Designing contrActs and Matching Platforms for green EneRgy	LAMSADE
Thera Michel	VA-HEAT Tools from variational analysis for understanding heat network optimization	XLIM UMR CNRS n°7252, Université de Limoges
Ulrich Ngueveu Sandra	Hybrid Optimization for Hydro Valleys	LAAS (Laboratoire d'analyse et d'architecture des systèmes, Toulouse)

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PRMO

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Bampis Evripidis	BeCOOL : Beyond COmpetitive Analysis and On-line Learning	LIP6, IBISC, Evry - LAMSADE, Paris - LIG, Grenoble
Figueiredo Rosa	Exploiting Antagonistic Relations in Signed Networks under the Structural Balance Hypothesis	Laboratoire Informatique d'Avignon - UMA-ENSTA, Palaiseau
Fortz Bernard	Robust Energy Offering under Market Equilibrium Constraints	Graphes et Optimisation Mathématique, INRIA Lille Nord-Europe - Heudiasyc Compiègne
Jouglet Antoine	Prise en compte du routage, des ressources consommables et de la limitation des stocks dans l'optimisation de la chaîne logistique	HEUDIASYC, UMR CNRS 7253, LIMOS, Clermont-Ferrand -UCO, Angers - ESIEE, Paris
Mahjoub Ridha	Multi-objective Combinatorial Optimization: Mathematical Programming and Algorithmic Approaches	LAMSADE, University Paris-Dauphine - Operations and Logistics Division of the Sauder School of Business of University of British Columbia.
Poss Michael	Extensions of classical robust combinatorial optimization	LIRMM - LOGIS, Niteroi - Brazil Lancaster University, Lancaster - UK RWTH Aachen University, Aachen, Germany LIA, Avignon, France
Quincampoix Marc Francois	Optimal Control for Stochastic Differential Equations	Laboratoire de Mathématique de Bretagne Atlantique, UMR CNRS 6205

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Viossat Yannick	Optimization of a new kind of cancer therapy	CEREMADE - Laboratoire Jacques Louis Lions, Paris - Moffitt Cancer Center, Tampa (Florida, USA) - School of Mathematical Sciences (Queen Mary University), London - Department of Mathematics (Politecnico di Milano), Milano - Computational Biology Group (ETH Zurich), Zurich - Delft Institute of applied mathematics (Delft University of technology), Delft (Netherlands) - Department of Data Science & Knowledge Engineering (Maastricht University), Maastricht (Netherlands)
Ziliotto Bruno	RSG(Regularization of zero-sum stochastic games without asymptotic value)	CEREMADE
Magron Victor	Exact Polynomial optimization with Innovative Certified Schemes (EPICS)	CNRS VERIMAG - Laboratoire d'Informatique de Paris 6 (LIP6)
Mertikopoulos Panayotis	Optimization and analysis of heavily congested networks (HEAVY.NET)	Laboratoire d'Informatique de Grenoble
Naldi Simone	Optimisation hyperbolique : algorithmes et implantations	XLIM UMR CNRS 7252 - Université de Limoges - Technische Universität Berlin; Technische Universität Dortmund; Freie Universität Berlin
Safey El Din Mohab	Global Algebraic Shooting Method in Optimal Control and Applications	Laboratoire d'Informatique de Paris 6 - LJLL, Paris
Tonon Daniela	Variational and PDE methods in Mean Field Games (VarPDEMFG)	CEREMADE
Tsigaridas Elias	ALgebraic Methods in gAmes and optimization	LIP6 Sorbonne Université - CMAP, École Polytechnique

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Carola Doerr	Analysis of Evolutionary Algorithms: Beyond Expected Optimization Times - Funded by Labex	LiP6, Paris - LIX, Paris - ITMO University, St. Petersburg - Leiden University - HPI Potsdam - ETH Zurich - University of Sheffield - University of Adelaide - Technical University of Denmark, Copenhagen
Saeed Hadikhanloo	Optimal control of conservation equations - Funded by Labex	CMAP, Ecole Polytechnique
Jose Neto	Spectral bounds for graph partitioning - Funded by Labex	SAMOVAR - GERAD, Montréal (Canada)
Robert Gower	Scalable stochastic variance reduced gradient methods - Funded by Labex	Le Laboratoire de Traitement et Communication de l'Information (LTCI) - Machine learning and Optimization laboratory, EPFL, Lausanne
Lucas Chesnel	Nouveaux Concepts pour l'Imagerie dans des Milieux Complexes (NOCIM) - Funded by LMH	Centre de Mathématiques Appliquées (CMAP), Ecole Polytechnique