CV Gaël Raoul

Research ID: M-9794-2015
Webpage: http://www.cmap.polytechnique.fr/~raoul/
Born on September 16th, 1983, French citizen
married, 2 children

EDUCATION


(2005) ERASMUS semester in Freiburg, Germany.


CURRENT POSITIONS

(since 2015) CNRS young researcher (permanent position) at CMAP, École Polytechnique.

(since 2015) Associate member of the Centre d’Écologie Fonctionnelle et Évolutive, Montpellier.

PREVIOUS POSITIONS

(2012-2014) CNRS young researcher (permanent position) at Centre d’Écologie Fonctionnelle et Évolutive, Montpellier.

(2010-2012) Post-doc at the University of Cambridge, Department of Applied Mathematics and Theoretical Physics.

FUNDING


(2013) PI (with J.A. Carrillo, Imperial College) of the CNRS/Royal society exchange project *Mathematical analysis and simulation of collective dynamics models* (CODYN).

(2013) member of the ANR grant *Mechanisms of adaptation to Climate Change: how will phenotypic plasticity, microevolution and migration affect forest trees phenology?* (MECC, PI: O. Ronce).

(2013) member of the ANR grant *Kinetic models in biology or related domains* (KIBORD, PI: L. Desvillettes).

SUPERVISION OF GRADUATE STUDENTS

(2013-…) Supervision of a 1-year internship, and then co-supervision of the Quentin Griette’s PhD thesis, with M. Alfaro and biologist S. Gandon. Title: *Mathematical and numerical study of evolutionary epidemiology problems*.

(2015-…) co-supervision of José Mendez’s PhD thesis with biologists N. Loeuille and F. Massol. Title: *Modelling of the evolution of interaction networks and prediction of the dynamics of interacting species range*. 

**MAIN VISITS AND COLLABORATIONS**

- Imperial College (2013-2015, 4 months in total), collaboration with P. Degond (1 paper) and J.A.J Carrillo,
- Univ. of Texas at Austin (2015, 1 month), collaboration with biologist M. Kirkpatrick,
- Univ. of Princeton (2015, 3 weeks), in the group of B. Grenfell,
- Univ. of Maryland at College Park (2015, 1 week), collaboration with P.E. Jabin,
- Univ. California at Los Angeles (2011-2012, 2 months in total), collaboration with T. Laurent,
- Univ. Aut. de Barcelona (2009-2015, 2 months in total), collaboration with S. Cuadrado and A. Calsina,
- Univ. of Vienna (2008, 5 months), collaboration with C. Schmeiser and K. Fellner.

**ORGANISATION OF SCIENTIFIC MEETINGS**

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<th>Year</th>
<th>Event Description</th>
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*: scheduled

**INVITED TALKS**

- Invited talk at conferences: MMEE Paris (2015); AMS sectional meeting Washington (2015); IFIP Klagenfurt (2013); IFCAM Bangalore (2014); GDR Metice Paris 5 (2013); CIMPA La Habana (2013,2010); ECTB Krakow (2012); SIAM PD11 San Diego (2011); Banff (2012,2010,2009); Oberwolfach (2011); Equadiff Hull (2011);

**COMMISSION OF TRUST**

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<td>(2013-...)</td>
<td>Referee for several national funding agencies.</td>
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TEACHING ACTIVITIES


(2012)  Short course *PDE models for evolutionary biology*  at the summer school *Modelling in population dynamics and evolution*, La Londe Les Mours, France.


**PUBLICATIONS**


