



Groupe de Contact FNRS 'Calcul Intensif'

Fifth CÉCI Scientific Meeting, **Friday April 19th 2013**

CH01 lecture room, Science Building ([Acces Map](#))

University of Namur

- 12h00 **Registration** and sandwich lunch
- 13h00 **Welcome and inauguration of the new HP cluster@UNamur**
- 13h30 **The evolution of high-performance computing**
E. Deumens, Director of the [HPC Center](#), University of Florida
- 14h15 **Modelling the transport of excitons and charges in molecular materials: a combined computational approach**
L. Grisanti, Laboratory for Chemistry of Novel Materials, UMon
- 14h30 **Many-Body transport of Bose-Einstein Condensates**
J. Dujardin, Statistical Quantum Physics, ULg
- 14h45 **PhyloGeoSim 1.0: a simulator of DNA sequences evolution under a demographic and geographic model of coalescence**
S. Dellicour, Evolutionary Biology & Ecology, ULB
- 15h00 Break
- 15h30 **Climate change and computational compromises**
François Massonnet, Earth & Climate, UCL
- 15h45 **Computational tools in electrodynamics of low-dimensional systems**
M. Sarrazin, U. Namur
- 16h00 **From molecular properties to the design of functional materials using HPC**
B. Champagne, U. Namur
- 16h15 **Some applications of HPC in science of complex systems**
A. Fuzfa, U. Namur
- 16h30 **HP reception and visit of the new HP cluster@UNamur**

Inscription : free but the registration is requested (David.Colignon@ulg.ac.be)

WWW : <http://www.ceci-hpc.be>