

Programme

Congrès des Doctorants 2016 ED413

Sciences de la Terre et de l'Environnement

30 Novembre 2016

9:00 Enregistrement

9:15 Mot d'accueil de la direction de l'Ecole Doctorale

9:30 Session 1: Géophysique

9:30 A bayesian exploration of the 1992 Landers earthquake. *Baptiste Gombert*

9:45 Thermal microcracking in rock. *Luke Griffiths*

10:00 Seismotectonics of the Bengal-Assam region, active faults, large earthquakes (Shillong/Indo-Burmese belt). *Aktarul Ahsan*

10:15 2D potential theory using complex algebra: new perspectives for interpretation of aeromagnetic data. *Pauline Le Maire*

10:30 Automatic classification and location of seismic events triggered by clayey landslides. *Floriane Provost*

10:45 Pause-Café

11:15 Session 2: Géologie

11:15 Magmatic intrusions in exhumed mantle of magma-poor rifted margins:evidences for the close association between deserpentinization, chlori- tization and rodingitization processes. *Méderic Amann*

11:30 Termination of the Pan African strike-slip shear zones of the Illizi-Berkine area of Algerian Saharan Platform: insights from aeromag- netic data. *Sonia Brahimi*

11:45 3D architecture of ultra-distal magma-poor rifted margins: the ex- ample of the fossil Err and Platta Ocean Continent Transition exposed in the Central Alps in SE Switzerland. *Marie-Eva Epin*

12:00 Coastal large earthquakes and evidence for paleotsunami deposits along the Mediterranean coast of Egypt. *Asem Salama*

- 12:15** Permeable fracture zones observed from well-logging data in deep geothermal boreholes of Rittershoffen, France. *Jeanne Vidal*
- 12:30** Buffet au Jardin Intérieur du CDE et sessions posters
- 14:00** Session 3 : Géographie
- 14:00** Active remote sensing data time series for floods detection and surface water mapping. *Filsa Bioresita*
- 14:15** Energy transition of Urban Territories. *Sophie Buessler*
- 14:45** First large application of closed partially ordered patterns to data collected for the French national ecological assessment of rivers: toward a new approach to understand the state of aquatic ecosystems. *Corinne Grac*
- 15:00** Sensitivity analysis of the air quality model INCA-Indoor to few input parameters using automatic differentiation. *Fangfang Guo*
- 15:15** Global study of ecosystem dynamics in a context of ecological restoration by sediment recharges and bank erosion in the Upper Rhine River. *Cybill Staentzel*
- 15:30** Pause-Café
- 16:00** Session 4: Hydrologie et Géochimie
- 16:00** Calcium isotopic fractionation during sorption (adsorption/desorption) phenomenon onto soil secondary minerals. *Jean-Michel Brazier*
- 16:15** Implementation of Isotopes into coupled Hydrogeochemical modeling. *Marianna Marinoni*
- 16:30** Transformation and transport of inorganic and synthetic pesticides in soils of agricultural head-catchments. *Fatima Meite*
- 16:45** Assessing the elements mobility through the regolith and their potential as tracers for hydrological processes. *Cristina Moragues-Quiroga*
- 17:00** Vote et dépouillement
- 17:15** Clôture du congrès des Doctorants avec remise des prix
- 19:30** Repas des doctorants à la brasserie Le Public House

* Programme de la Session 'posters'

I Géophysique

- 1 Pore-scale study: Interface dynamics during drainage. *Monem Ayaz*
- 2 Magnetic signature of ships and magnetization predictions. *Paul Calou*
- 3 Radiation efficiency during a crack propagation: An analogical study. *Camille Jestin*
- 4 Gravimetric observation of gravitational relativistic effects: synthetic tests on seismic modes analysis. *Josipa Majstorovic*
- 5 Magnetic mapping around Les Saintes islands (Lesser Antilles, Guadeloupe) for structural interpretation. *Jeanne Mercier de L'epinay*
- 6 Two and three dimensional THM modelling of the Soultz-sous-Forêts geothermal reservoir : a comparison. *Bérénice Vallier*
- 7 Fiber Optics Distributed Temperature Sensing (FO-DTS) for long-term monitoring of soil water changes in the subsoil. *Kusnahadi Susanto*

II Géologie

- 1 Research on the traces of earthquakes in the sedimentary series of the Quaternary of the Tell Atlas (northern Algeria). *Souhila Bagdi Isaad*
- 2 The role of transfer zones in the formation and reactivation of hyperextended rift systems: the example of the Mauléon-Basque-Cantabrian basins. *Rodolphe Lescoutre*
- 3 Study of the petroleum system of the Ivorian Basine. *Fofana Bakary*
- 4 The genesis of Iron oxide-Apatite deposits in The Tarom Zone, SE Zanjan, NW Iran. *Shahin Ghahramani*

III Géographie

- 1 Geomorphic responses of restoration actions: the case of the Old Rhine River downstream of Basel. *Valentin Chardon*
- 2 Point clouds time series analysis for monitoring landslide processes: displacement field analysis using image matching algorithms. *Pierrick Bornemann*
- 3 How to establish the link between hydromorphological and ecological indicators in a context of river restoration? *Nadia Fernandez*
- 4 The ergonomics of access to everyday facilities by urban public transportation (bus and tramway) and soft mobility: Creating a measuring tool and a decision support applied to the Eurométropole of Strasbourg. *Wassim Hached*

IV Hydrologie et Géochimie

- 1 Compound Specific Isotope Analysis at the Catchment Scale: Developing innovative approaches to monitor micropollutants threatening water resources. *Pablo Alvarez Zaldívar*
- 2 Solving the inverse problem for groundwater flow in dual porosity systems relying upon the continuous adjoint state. *Hamid Badri*
- 3 Experimental and numerical study of water transfer in the plain of Sidi Bouzid (Tunisia). *Manel Boughanmi*
- 4 Dimensionally reduced model for solving surface and subsurface flow at the scale of watershed system. *Benjamin Jeannot*
- 5 Behaviour of Radium and radioactive ascendants in soil and its transfer to terrestrial plants. *Eric Lascar*
- 6 Origin and evolution of the isotopic signal of sediments in fluvial systems. *Justine Négrel*
- 7 Study of hydrothermal alteration processes using a combined isotopic approach (Boron, Lithium and Uranium series). *Mylène Mombrou*
- 8 Global sensitivity analysis and estimation of unsaturated soil hydraulic parameters using streaming potential measurement. *Jabran Zaouali*

