

# Annual report of activities 2010-2011

IAMG Student Chapter  
ENSG – Nancy Université

In October 2008, we were allowed to found a new Student Chapter at the ENSG (National School of Geology) – Nancy Université, France. This report presents our group activities from September 2010 until July 2011 and projects for next year.

## Activities

The main activity of our group is to organize on Wednesdays a weekly “lunch and learn” presentation. The students of the group present their ongoing research, discuss their results and current issues. These seminars are also an opportunity to invite industrial and academic lecturers. For example this year, Dr. Gunzburger (Nancy university) presented his work on current stress state in the Paris basin (France) and Dr. Labrunye from Paradigm Geophysical introduced the newest version of the Gocad suite that we use on a daily basis in our work.

In September 2010, six members of our group participated in a field trip and talks with a team of the Geology of Carbonate Systems Research Center at the Provence University (Marseille). This was a very good opportunity to present the method we are developing and discuss them with the student and researchers of their team. That gave us additional perspectives on our works.

Research works conducted during the year were presented to industrial sponsors and academic associated researchers at the Gocad meeting in Nancy last June. Our group took an active part in the organization of this event. The meeting has been a success and allowed many fruitful discussions. Feedbacks were all very positive. The students also had the opportunity to present the applications they are developing during a training session. This year, a best student presentation award was introduced and awarded to Nicolas Cherpeau for his presentation on stochastic fault network simulation.

## Conferences

**September 2010:** Florent Lallier and Gautier Laurent presented their works, respectively on stochastic well correlation, and on chronostratigraphic coordinates computation from restoration results, at the IAMG annual meeting in Budapest.

**October 2010:** Nicolas Cherpeau gave an oral presentation on stochastic simulation of fault networks from 2D seismic lines and was awarded the best student presentation award.

**November 2010:** Florent Lallier presented his work on the Relevance of the stochastic stratigraphic well correlation approach for the study of complex carbonate settings: Application to the Malampaya buildup, at a Geological Society of London meeting in London.

**February 2011:** Romain Merland presented his work on building centroidal voronoi tessellations for flow simulation in reservoirs using flow information, at the SPE Reservoir Simulation Symposium in The Woodlands, TX USA.

**May 2011:** Gautier Laurent gave an oral presentation on his work on paleo-geographic coordinate computation, at the EAGE meeting in Vienna (Austria).

**September 2011:** Jeanne Pellerin, Francois Bonneau and Romain Merland submitted extended abstract for oral presentations at the IAMG annual conference in Salzburg.

## Members

This year our student chapter counts 14 students: 8 PhD students: Vincent Henrion, Florent Lallier, Nicolas Cherpeau, Romain Merland, Gautier Laurent, Nicolas Meyer, Francois Bonneau, Jeanne Pellerin and 6 Master students: Charlotte Botter, Charline Julio, Laurianne Daubigney, Antoine Bouziat, Gaetan Bardy and Jeremy Ruiu.

Jeremy Ruiu will begin a PhD in October 2011 and will then stay a member of the group unlike other master students that will be replaced by the new MSc students from the Nancy school of geology who specialize in numerical geology.

We are also in contact with students from other departments of the Nancy School of Geology, in particular in the petroleum and reservoir engineering pathways, and we have a good hope some of them will join our chapter.

Next July Vincent Henrion will defend his PhD as will Florent Lallier and Nicolas Cherpeau in October 2011.

The Student chapter board has been modified and now Gautier Laurent is the president and Jeanne Pellerin is the treasurer.

## Perspectives

Our plan for the next year is to keep on making the students attached to our research group aware of the importance of IAMG in geological research and technology promotion, both by internal presentations and participation to IAMG events, such as the next conference in Salzburg. Because only a limited delegation of our group can attend to this meeting, we will also organize an internal review of the meeting best presentation to let the rest of our group benefit from this event.

We also would like to extend our activities and visibility at the scale of our university, in particular by organizing a special event at the Nancy School of Geology opened to students from this school and also from the Ecole des Mines de Nancy and from the Henri Poincaré University. Inviting a lecturer of the IAMG seems to be appropriate for such an event.

We hope this short report gives you a clear overview of our activities for the last year. Do not hesitate to visit our website at [www.gocad.org/www/studentchapter](http://www.gocad.org/www/studentchapter) and to contact us for any comments or questions.

The President of the IAMG student chapter at ENSG-Nancy Université,

Gautier Laurent.