

Valentina Marzia Rossi

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OBJECTIVE

Use my geological knowledge and my analytical and problem-solving skills in a summer internship in the oil and gas industry

EDUCATION

Ph.D., Geological Sciences May 2015
The University of Texas at Austin, Jackson School of Geosciences, Austin, TX
Tide-influenced depositional systems: tidal effects on deltas and straits Advisors: Ron Steel, Wonsuck Kim
GPA: 3.86/4.0

Master Degree in Geology *cum laude* July 2011
University of Milan, Italy
Thesis: *Sedimentological analysis of the Miocene mixed carbonate-siliciclastic succession of the Bonifacio Basin (Corsica): facies distribution and sedimentary processes*
Marks: 110/110

Bachelor Degree in Geology *cum laude* December 2008
University of Milan, Italy
Thesis: *Geological survey of the Camisana Valley and stratigraphic analysis of the succession of the Pizzo del Diavolo Formation (Lower Permian), Lago Nero area (Italy)*
Marks: 110/110

SKILLS

- Competent in Adobe Illustratore, Kingdom Suite, MS Office, Stereonet
- Knowledge of Matlab, GigaPan software
- Fluent in Italian and English
- Extensive geological field work experience, with emphasis in sedimentology and stratigraphy

EXPERIENCE

Shell Oil Company, Technology Center – Clastics Research Team, Houston, TX Summer 2013
Internship

- Application of mathematical relationships to quantify reservoir-objects scaling in fluvio-deltaic environments;
- Performed a literature review of fluvial and fluvial-tidal facies analysis, paleo-hydraulics, scaling and architectural inference from core data;
- Initiation of a database of point-bar scaling quantities;
- Creation of a workflow to connect readily accessible vertical measurements (cores and wireline log data) with lateral scales (reservoir area)

Department of Geological Sciences, The University of Texas at Austin December 2012
Graduate Research Assistant

- Helped in the organization of *Sediment Experimentalists* workshop, hosting scientists from 30 Universities and Institutions
- Budget and organize accommodation for visiting scientists

Department of Geological Sciences, The University of Texas at Austin

Summer 2012

Graduate Teaching Assistant *Field Camp*

- Explained field concepts in sedimentology, stratigraphy, sequence stratigraphy and structural mapping; graded student projects in different field geological problems
- Helped the organization of the field camp, purchasing supplies and organize meals for 35 students

Department of Natural Sciences, University of Pavia, Italy

Summer 2010

Graduate Research Assistant

- Assisted in wild wolf tracking in Italian Southern Alps as part of wolf reintroduction program

Italian Regional Agency for Environmental Protection

Summer 2007

Internship

- Evaluated the relationship between ice ablation and summer climate in an alpine type glacier, using meteorological and glaciological data from 2000 to 2007

EXTRACURRICULAR COURSES

- 8th International Conference on Tidal Environments Field Trip, *The Touraine-Anjou Neogene "Faluns" basins, W-NW France* July 2012
- SEPM/PSSEPM Field Trip, *The Great Debate: Sequence Stratigraphic and Tectonic Evolution of Deltaic Facies in the Ridge Basin, California* April 2012
- Statoil short course, *Source-to-Sink Concepts and Applications* January 2012
- Geosed course, *Fluvial deposits facies analysis* April 2011
- University of Milan Short course, *^{40}Ar - ^{39}Ar Geochronology – Methods and Applications* October 2010
- University of Milan Short course, *Sequence stratigraphy, biostratigraphy and the time scale* November 2009
- University of Milan Short course, *Sediments and climate change through the Phanerozoic* October 2007

HONORS AND AWARDS

- IAS Travel Grant 2011 Spring 2011
- *Professor Franco Forcella Award* for the best field work thesis Spring 2010

PROFESSIONAL ORGANIZATIONS

- International Association of Sedimentologists (IAS)
- Italian Association for Sedimentary Geology (Geosed)
- American Association of Petroleum Geologists (AAPG)
- Society for Sedimentary Geology (SEPM)

PUBLICATIONS AND PRESENTATIONS

- Rossi V. M., Steel R., Leva Lopez J., *Comparison and Contrasts between Different Tidal Sand-Bodies in PSAAPG Convention, 2013, Monterey, CA*
- Leva-Lopez, J., **Rossi, V.M.**, Olariu, C. & Steel, R.J., *Shelf tidal ridges: the Sweet Sandstone reservoirs of the Cretaceous upper Almond Formation, Washakie basin, Wyoming* Bodies in PSAAPG Convention, 2013, Monterey, CA
- Rossi V. M., Steel R., Olariu C., Leva Lopez J., *The Significance of compound tidal dunes in the Neuquén Jurassic rift Basin* in 8th International Conference on Tidal Environments 2012, Caen
- Rossi V. M., Berra F., Lanfranchi A. and Jadoul F., *Paleo-Strait Clastic Carbonate Sandbodies, Bonifacio Basin, Corsica* Extended abstract Rossi in Search and Discovery, Article number 50604 (2012)
- Rossi V. M., Berra F., Lanfranchi A. and Jadoul F., *Sedimentological analysis of large-scale cross-beds from the Burdigalian mixed carbonate-siliciclastic succession of the Bonifacio Basin (South Corsica)* in EGU Congress 2011, Wien