

Julio Leva-López

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EDUCATION

Ph.D. in Sedimentology and Stratigraphy May 2013

The University of Texas at Austin, Jackson School of Geosciences

Dissertation: *Architecture, Control and Development of Clastic Wedges in Foreland Basins*

Advisor: Dr. Ron Steel & Dr. Wonsuck Kim

GPA: 3.85/4.0

Licenciatura en Geología June 2006

Universidad Complutense de Madrid, Madrid, Spain

Cumulative GPA: 2.14/4.0 Third highest GPA of the year

SKILLS

Competent in Adobe Illustrator, IHS Kingdom, IHS Petra, Neuralog, ArcGIS, MATLAB and Polyworks

Fluent in English and Spanish, basic knowledge of French

Strong field geology experience in sedimentology and stratigraphy

EXPERIENCE

Swift Energy Company May – August 2013

- Correlated well-logs of the Wilcox Fm., built cross-sections and generated synthetic seismograms
- Interpreted 3D seismic volume, mapped the upper Wilcox Fm and tied it to well-logs
- Generated seismic attributes volumes and used them to map sedimentary features
- Determined producing pay zones, identified potential leads and assessed prospect risk

Department of Geological Sciences, The University of Texas at Austin Summer 2010, 2011 & 2012

Assistant Instructor (2011 & 2012) Teaching Assistant in (2010) *Field Geology*

- Assisted with purchasing, organization, administration and served as liason between faculty and TAs
- Explained different principles of theoretical and field applied geology to undergraduate students
- Evaluated student projects in a variety of geological problems in clastic and carbonate sedimentology, stratigraphy, sequence stratigraphy, structural mapping and sediment transport dynamics
- Edited the field guide book and prepare some of the exercises and field visits

Department of Geological Sciences, The University of Texas at Austin Summer 2011& Fall 2009

Assistant Instructor (2011) Graduate Teaching Assistant (2009) *Sedimentary Rocks*

- Lectured in carbonate and evaporitic sedimentology, stratigraphy, petrography and sequence stratigraphy, evaluated sequence stratigraphy projects, and prepared final exam
- Conducted the lab exercises, explained practical concepts of sedimentology and stratigraphy in carbonates and clastic rocks with emphasis to the petroleum and engineering

Department of Geological Sciences, The University of Texas at Austin Fall 2010, 2011 & 2012

Graduate Teaching Assistant *GIS & GPS in Earth Sciences (Graduate and Undergraduate course)*

- Explained principles of GIS, the use of the ArcGIS suite and its application for geological and geographical problems.
- Introduced the students to the use of handheld GPS and cartographical GPS units and its application to geological problems in the field

Department of Geological Sciences, The University of Texas at Austin

Fall 2009

Graduate Teaching Assistant

Clastic Depositional Systems Field Trip (Graduate course)

- Explained advanced concepts of stratigraphy, depositional systems and sequence stratigraphy
- Assisted with field trip organization

Facultad de Ciencias Geológicas, Universidad Complutense de Madrid, Spain

January-May 2006

Undergraduate Research Assistant

- Collected and prepared the soil samples
- Ran artificial rain experiments, to correlate soil erosion rate and rainfall salinity

Tele Atlas Iberia S.A.

November 2004 – June 2005

Internship

- Managed, quality controlled and updated digital map library through a proprietary GIS program
- Researched and compiled new cartography and points-of-interest from diverse government agencies

EXTRACURRICULAR COURSES

Eagle Ford Field Trip, <i>Sequence stratigraphy and petroleum systems of carbonatic shale</i>	February 2013
Statoil short course, <i>Source-to-Sink Concepts and Applications</i>	January 2012
UT AAPG Student Chapter short course, <i>Ichnology in the 21st Century</i>	April 2011
BP short course, <i>Field First Aid (Level 2)</i>	March 2011
SEPM short course, <i>Sequence Stratigraphy for Graduate Students</i>	May 2010
AAPG Field course, <i>Illes-Williams Fork, South Piceance Basin, Colorado</i>	June 2009

HONORS AND AWARDS

Ronald K DeFord Field Scholarship Fund	Jul – Aug 2009 & Sep - Dec 2010
John and Elizabeth M. Teagle Scholarship in Petroleum Geology	Jan 2009 - May 2009
ConocoPhillips fellowship	Sep 2008 – Dec 2008
Chevron Fellowship	Sep 2008 – Dec 2008
University Honors, The University of Texas at Austin	Jan – May 2007
TransAtlantic Science Student Exchange Program, TASSEP consortium	2006 – 2007
Highest ranking applicant in the Universidad Complutense de Madrid	
University Honors, Universidad Complutense de Madrid, 37 ETCS credits	

PROFESSIONAL ORGANIZATIONS

American Association of Petroleum Geologists (AAPG)	2008 – Present
International Association of Sedimentologists (IAS)	2008 – Present
Society for Sedimentary Geology (SEPM)	2008 – Present

SELECTED PUBLICATIONS AND PRESENTATIONS

- Leva-López, J., Kim, W., Steel, R.J.** Autoacceleration in clinoform progradation in retroarc foreland basins: Theory and experiments. **Accepted Sep 2013**, Basin Research
- Leva-López, J. and Steel, R.J.** Fluvial Architecture of the Upper Campanian Canyon Creek Member of the Ericson Sandstone: Signals of the Looming Laramide Orogeny, Greater Green River Basin, Wyoming . In: AAPG **2012** Annual Convention and Exhibition, Long Beach CA.
- Leva-López, J., Kim, W. and Steel, R.J.** Experimental Analysis of Autostratigraphic Controls in Foreland Basins. In: AGU Fall Meeting **2011**, San Francisco, California, USA.
- Leva-López, J., Kim, W. and Steel, R.J.** Clastic Wedge Autogenic Behavior in Foreland Basins: Numerical and Experimental Model. In: 28th IAS **2011** Meeting of Sedimentology. Zaragoza, Spain.
- Leva-López, J., Kim, W. and Steel, R.J.** Autostratigraphic response of clinoform evolution to back-tilting subsidence – A Numerical Model. In: 18th **2010** International Sedimentological Congress, Mendoza, Argentina.