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Education

- 2010 **Ph.D. Geophysics** (GPA 4.1/ 4.0)
California Institute of Technology
Thesis: Dynamics of long-term sea-level change and vertical motions of continents (Advisor Prof. Michael Gurnis)
- 2007 **M.S. Geophysics** (GPA 4.1/ 4.0)
California Institute of Technology
- 2003 **M.S. Geophysics** (GPA 4.0/ 4.0)
University of Houston
Thesis: Tomographic Velocity Model Building: Application to Vinton Dome VSP Data (Advisor Prof. Hua-wei Zhou)
- 2001 **B. S. Geophysics with honors** (GPA 10.0/ 10.0)
University of Belgrade, Serbia
Thesis: Seismic Prestack Depth Migration (Advisor Prof. Slobodan Stanic)

Professional Experience

- Current **California Institute of Technology, Staff Scientist**
Primary research activity includes development of models of formation and evolution of sedimentary basins in SE Asia (Sundaland in particular)
- 2005 - 2010 **California Institute of Technology, Research and Teaching Assistant**
- 2003 - 2005 **BP America, Geophysicist in Deepwater Gulf of Mexico BUs**
Selected responsibilities: Seismic interpretation, Well targeting, planning and execution, Seismic acquisition planning (wide azimuth and VSP), Seismic processing supervision, Deepwater development planning
- 2001 - 2003 **University of Houston, Research Assistant**
- 1996 - 2001 **Petnica Science Center, Serbia, Junior Teaching/Research Associate**
Selected responsibilities: Teaching Geology seminars for high-school students, Mentoring high-school students' research projects, Organizing and leading summer research camps

Teaching Experience

- 2007 - 2008 **California Institute of Technology**, *Teaching Assistant*
Geodynamics (graduate), Spring 2008, responsibilities included teaching two weeks of classes
Applied Geophysics Field Course (graduate and undergraduate), Spring 2007, responsibilities included organization and participation in leading of a week long field course
- 1996 - 2001 **Petnica Science Center, Serbia**, *Junior Teaching/Research Associate*
Participation in teaching 4-15 days long seminars (lectures, labs and field excursions/camps), covering topics in various disciplines of Geology and Geophysics

Honors and Awards

- 2008 - 2010 *Anadarko Scholarship*, Society of Exploration Geophysicist
- 2008 *Geoscience Research Grant*, ExxonMobil
- 2003 *Milton Dobrin Memorial Scholarship Award*, University of Houston
- 2002 *E. Pfeiffer and C. Farb Scholarship*, University of Houston NSM Alumni
- 2002 *M.S. Bennett and C.D. Speed Jr. Memorial Scholarship*, SIPES Foundation
- 2002 *John R. Butler Scholarship Award*, Society of Exploration Geophysicists
- 2002 *SEG Foundation General Scholarship*, Society of Exploration Geophysicists
- 2002 *Best Student Poster Award*, Department of Geosciences, University of Houston
- 2002 *Nestor Phillips Scholarship*, University of Houston Geological Alumni
- 2002 *BP- Amoco scholarship*, University of Houston
- 2002 *Rectorate Award for outstanding academic achievements* (the highest GPA in the history of the College of Mining and Geology), University of Belgrade
- 2001 *Robert E. Sheriff Scholarship Award*, Society of Exploration Geophysicists
- 2001 *Ratko Muzijevic Award for outstanding academic achievement in Geophysics*, College of Mining and Geology, University of Belgrade
- 1999 – 2001 *The Best Undergraduate Student Award*, College of Mining and Geology, University of Belgrade
- 2000 *Royal Norwegian Embassy Scholarship* for exceptional academic performance
- 1995 – 2001 *Foundation of Talented Young Scientists Scholarship*, Ministry of Education of Serbia

Professional Service

- 2009 Reviewer for *Palaeogeography*, *Palaeoclimatology*, *Palaeoecology*, and *Journal of Geophysical Research*
- 2007/08 Co-organizer of Dix Seismo Lab seminars, California Institute of Technology
- 2004-2005 Co-organizer of Professional Conference for Junior Employees, BP, Houston.
- 1998-2000 Co-founder and co-leader of Geological Research Society “Jovan Zujovic”, University of Belgrade, Serbia

Publications

9. **Spasojevic, S.**, and M. Gurnis (2010), Dynamic Earth Models: Sea Level and Vertical Motion of Continents since the Late Cretaceous, *AAPG Bulletin*, in review.
8. Gurnis, M., M. Turner, S. Zahirovic, L. DiCaprio, **S. Spasojevic**, R.D. Müller, J. Boyden, M. Seton, V.C. Manea, and D.J. Bower (2010), Plate Reconstructions with Continuously Closing Plates, *Computers and Geosciences*, in review.
7. **Spasojevic, S.**, M. Gurnis, and R. Sutherland (2010), New mode of mantle upwelling above lower mantle slabs predicts the global geoid low, *Nature Geoscience*, *3*, p. 435-438, doi:10.1038/ngeo855.
6. **Spasojevic, S.**, M. Gurnis, and R. Sutherland (2010), Inferring mantle properties with an evolving dynamic model of the Antarctica-New Zealand region from the Late Cretaceous, *Journal of Geophysical Research*, *115*, B05402, doi:10.1029/2009JB006612.
5. Sutherland, R., **S. Spasojevic**, and M. Gurnis (2009), Mantle upwelling after Gondwana subduction death explains anomalous topography and subsidence histories of eastern New Zealand and West Antarctica, *Geology*, *38* (2), 155-158.
4. **Spasojevic, S.**, L. Liu, and M. Gurnis (2009), Adjoint models of mantle convection with seismic, plate motion and stratigraphic constraints: North America since the Late Cretaceous, *Geochem. Geophys. Geosyst.*, *10*, Q05W02, doi:10.1029/2008GC002345.
3. Liu, L., **S. Spasojevic**, and M. Gurnis (2008), Reconstructing Farallon Plate Subduction beneath North America back to the Late Cretaceous, *Science*, *322*, doi:10.1126/science.1162921 .
2. **Spasojević, S.**, and R. W. Clayton (2008), Crustal structure and apparent tectonic underplating from receiver function analysis in South Island, New Zealand, *Journal of Geophysical Research*, *113*, B04307, doi:10.1029/2007JB005166.
1. **Spasojević, S.**, L. Liu, M. Gurnis, and R. D. Müller (2008), The case for dynamic subsidence of the U.S. east coast since the Eocene, *Geophysical Research Letters*, *35*, L08305, doi:10.1029/2008GL033511.

Abstracts

- Spasojevic, S.**, and M. Gurnis (2010), Dynamic Earth Models: Sea Level and Vertical Motion of Continents since the Late Cretaceous, *AGU Fall Mtg.*, Abstract U51A-0011.
- Spasojevic, S.**, L. Liu, and M. Gurnis (2009), The case for dynamic subsidence of the United States east coast since the Eocene, *AGU Fall Mtg.*, Abstract T44B-06 (INVITED).

Spasojevic, S., M. Gurnis, and R. Sutherland (2009), Global belt of geoid lows shows evidence for mid mantle upwellings, *AGU Fall Mtg.*, Abstract U23D-0072.

Gurnis, M., **S. Spasojevic,** L. Liu, L. DiCaprio, D. Müller, and R. Sutherland (2009), Linking the stratigraphic record with mantle convection in time and space, *AGU Fall Mtg.*, Abstract DI32A-01 (INVITED).

Shephard, G.E., D. Müller, A. J. Hale, **S. Spasojevic,** L. Liu, and M. Gurnis (2009), Contribution of mantle convection to shifting South American coastlines during the Tertiary, *AGU Fall Mtg.*, Abstract DI41A-1778.

S. Spasojevic, L. Liu, M. Gurnis, and R. Sutherland (2009), A Global View on Mantle Hydration with 4-D Geodynamic Models, *MARGINS TEI: Volatiles in the Subduction Factory.*

Spasojevic, S., R. Sutherland, and M. Gurnis (2008), Geodynamic Model of the New Zealand-Antarctica Conjugate Margin Since the Late Cretaceous, *Eos Trans. AGU*, 89(53), Fall Meet. Suppl., Abstract DI51A-04.

Liu, L., **S. Spasojevic,** and M. Gurnis (2008), Reconstructing Farallon Plate Subduction beneath North America back to the Late Cretaceous, *Eos Trans. AGU*, 89(53), Fall Meet. Suppl., Abstract U53C-03 (INVITED).

Spasojevic, S., L. Liu, and M. Gurnis (2008), Global and regional sea level change: Implications from coupled models of the lithosphere and mantle, *International Geological Congress.*

Spasojevic, S., L. Liu, and M. Gurnis (2008), Implications for Sea Level From North America Adjoint Models Since the Late Cretaceous, *Workshop for Advancing Numerical Modeling of Mantle Convection and Lithospheric Dynamics*, UC Davis.

Liu, L., **S. Spasojevic,** and M. Gurnis (2008), Inverting the Farallon Subduction back to the Late Cretaceous, *Workshop for Advancing Numerical Modeling of Mantle Convection and Lithospheric Dynamics*, UC Davis.

Spasojevic, S., L. Lijun, and M. Gurnis (2008), Implications for regional and eustatic sea level since Late Cretaceous from North America dynamic models, *Geophysical Research Abstracts, Vol. 10*, EGU2008-A-04721.

Spasojević, S., and M. Gurnis (2007), Stratigraphic and Geologic Constraints on Geodynamic Models of North America Since the Cretaceous, *Eos Trans. AGU*, 88(52), *Fall Meet. Suppl.*, Abstract U13A-0865.

Gurnis, M., M. Turner, **S. Spasojević,** D. Bower, L. Liu, V. Manea, R.D. Müller, J. Boyden, M. Sdrolias, and L. DiCaprio (2007), Continuously closing plates: A new

paleogeographic concept and application to geodynamic models, *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract DI14A-07.

Gurnis, M., L. Liu, **S. Spasojević**, M. Turner, and R.D. Müller (2007), Mantle convection and reference frames: Inverse models with plate motions, tomography and sea level, *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract U34A-07 (INVITED).

Kisin, S., and R. Clayton (2006), Crustal Structure and Apparent Underplating From Receiver Function Analysis in South Island, New Zealand, *Eos Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract T53C-1611.

Kisin, S., P. Evans, and L. Blake, (2004), Seismic facies analysis of a middle Miocene turbidite reservoir: Marlin Field example, *SEG Expanded Abstracts 23*, 402, doi:10.1190/1.1851280

Kisin, S. and H. Zhou (2003), VSP tomography of Vinton Dome, Louisiana, *SEG Expanded Abstracts 22*, 2349, doi:10.1190/1.1817840.

Lapin, S., **S. Kisin**, and H. Zhou (2003), Joint VSP and surface seismic tomography, *SEG Expanded Abstracts 22*, 2342, doi:10.1190/1.1817837

Kisin, S. and H. Zhou (2002), Reflection Tomography of the Southern California Crust Using LARSE Data, *Eos Trans. AGU*, 83(47), Fall Meet. Suppl., Abstract S21A-0978.

Invited seminars

January 2011 University of Texas Institute for Geophysics
March 2010 Georgia Institute of Technology
July 2009 BP Deepwater Gulf of Mexico Exploration Group

Immigration status

Holder of US permanent residency card since January 2007.