

Daniel Tentori

Email: daniel.tentori@uniroma1.it
Dual Citizenship (Italian/American)

Education

- 2016:** **Ph.D. candidate**
Sapienza, University of Rome
Expected graduation: Feb 2020
Advisors: Dr. Salvatore Milli; Dr. Kathleen Marsaglia (CSU Northridge)
Thesis title: "Sedimentary petrography and sequence stratigraphy: the relationships between compositional signatures and sequence-stratigraphic framework of siliciclastic successions"
- 2012-2015:** **Master of Science** Masters: Geology
Grade: 109/110
GPA: 3.78
California State University, Northridge

Advisor: Dr. Kathleen Marsaglia
Graduation: January 2015
Thesis title: "Sand compositional changes as a key for sequence-stratigraphic interpretation: the Pleistocene Tiber River deltaic succession (Italy)"
- 2007-2011:** **Bachelor of Science** Major: Geology
Grade: 102/110
University of Rome La Sapienza, Rome
Advisor: Dr. Salvatore Milli
Graduation: January 2011
Thesis title: "Deltaic and coastal depositional systems: the middle Pleistocene deposits of the Roman Basin"

Languages

Italian (first language), English (advanced level), French (advanced level), Spanish (intermediate level)

Work Experience

- 2017-2019:** **Teaching Assistance**
(Structural Geology course - 80 hrs; Geology course for Natural Sciences - 40 hrs; Petrography Lab - 40 hrs; Tutoring and Support to "PLS, Piano Lauree Scientifiche" - 40 hrs)
Sapienza, University of Rome
- 2017:** **Professional Analyst**
Laboratory of Sapienza, University of Rome
Petrography consultant for Seli Overseas
- 2016:** **Graduate Research Assistant**
Sapienza, University of Rome
Graduate Research Assistant on petrographic and stratigraphic analysis of continental to shallow marine deposits of the Roman Basin in preparation for entering the PhD program.
- 2012-2015:** **Graduate Research Assistant**

California State University, Northridge
Graduate Research Assistant on: i) "IODP Digital Reference for Smear Slides Analysis of Marine Mud", Technical Note 1, Siliciclastic and Volcanogenic Components (provided assistance in production of interactive PDF), ii) IODP Digital Reference for Smear Slides Analysis of Marine Mud", IODP Technical Note 2, Biogenic Components (Lead role in creating interactive PDF of deep-marine biogenic sediments) and iii) " ODP core Photo Atlas", IODP Technical Note 3 (Lead role in creating interactive PDF of core photographs).

Workshop, Short Course and Field trip Participation:

Workshops:

- *2nd School of Sandstone Diagenesis*, Friedrich-Alexander-University, Erlangen, Germany, 26-30 August 2019.
- *2nd School of Heavy Mineral Analysis*, Università di Milano Bicocca, Milan, Italy, 20-24 February 2018.
- *2nd Petrophysics Summer School, IODP*, University of Leicester, Leicester, UK, 2-7 July 2017.
- *Certified Techlog Fundamentals, Schlumberger*, Instructor: Rudi Mathers, Leicester, 3-6 July 2017.
- *Pliocene-Pleistocene continental deposits of Northern Apennines*, XIII Meeting Geosed, Perugia, Italy, 16-18 June 2017.

Short Courses and Seminars:

- Guest Lecturer: *Introduction to Sedimentary Petrography*, Sedimentology and Sequence Stratigraphy course, Sapienza, University of Rome, 15 January 2018.
- *The Nile Sediment-Routing System: from Equatorial Africa to the Mediterranean Sea*, hosted by Dr. Eduardo Garzanti, STEPS program (Science and Technology for Exploration and Production Solutions), Halliburton Landmark and ENI, May 11, 2017. Webonar.
- *Marine Georisks*, hosted by Dr. Daniele Casalbore, Sapienza Università di Roma, Rome, Italy, 6-12 April, 2017.
- *The Principles of Hydrocarbon Recovery*, hosted by Dr. Wojciech Nemeč, Università degli Studi di Padova, Padova, Italy, 22-23 March, 2017.
- *Sequence Stratigraphy for Students and subsurface pre-drilling characterization*. Chevron, PS-AAPG Annual Meeting, 2014, Bakersfield Convention Center, Bakersfield (CA), USA.
- *Basic Open and Cased Hole Log Interpretation*. Schlumberger. 16th Annual AAPG Student Expo, 2013, Houston (TX), USA.

Field trips:

- *The depositional architecture of the Pleistocene deposits of the Roman Basin*, 34th IAS Meeting of Sedimentology, 10-13 September 2019, Sapienza Università di Roma, Rome, Italy. Field trip leader.
- *Volcano-tectonic activity in the Afar region*, Ethiopia, 17-28 February 2019.
- *The Pleistocene Ponte Galeria Depositional Sequence: stratigraphy, facies, and provenance analysis*, Italian Geological Society (Geosed), Geosed Meeting, 1-2 December 2016, Sapienza Università di Roma, Rome, Italy. Field trip leader.

- *Crisis and recovery of carbonate systems: the role of climate, tectonics and magmatism*. Italian Geological Society (Geosed), Società Geologica Italiana, Dolomites, Trentino Alto Adige, Italy, June 28 -July 2 2016.
- *Chevron's San Joaquin Valley and Kern River Heavy Oil facilities*. Chevron, AAPG-SEG West Coast Student Expo, 2013, California State University, Northridge (CA), USA.

<u>Grants and Scholarships</u>	<u>Year</u>	<u>Amount Awarded</u>
International Mobility Grant for PhD students, Sapienza, University of Rome (supporting five-month visit to CSU Northridge, working with Dr. Marsaglia)	2018	€ 6,000
ECORD Scholarship (IODP Petrophysics Summer School)	2017	€ 800
SAPIENZA, Università di Roma Research Grant	2016	€ 15,000
California State University Hannah Summer Research Grant*	2013	\$ 3,000
Geological Society of America Research Grant*	2013	\$ 1,875
Gene and Sue Fritsche Scholarship	2013	\$ 1,000

*support of master's thesis research

Summary of current research activities

I am a sedimentologist with a very solid background in petrography, field-based facies recognition, and sequence-stratigraphic interpretation. My current PhD research project at Sapienza, University of Rome focuses on the definition of sediment compositional and textural signatures of continental to shallow marine deposits of the Tevere and Po River systems and shallow to deep marine Miocene successions of the Manciano and Molise basins. The ultimate goal of my research is to relate compositional signatures with the sequence-stratigraphic framework of low-and high-frequency depositional sequences. The combined stratigraphic and petrographic approach is fundamental to discriminate how autogenic and allogenic factors control the depositional architecture of the studied successions and contribute to changes in sediment provenance and composition.

Other Research Activities

Detrital zircon ages analysis from the southern rim of the Amazon Basin investigating paleo-drainage evolution and provenance changes across the Madre de Dios Basin. Principal investigators: Ken Campbell (Natural History Museum of Los Angeles), Kathleen Marsaglia (Cal State University, Northridge).

Publications:

Villaseñor, T., **Tentori D.**, Marsaglia, K., Pinto, L., 2019, The changing Patagonian landscape: reconstructing erosion and sediment transfer paths in northern Patagonia during the Pleistocene, Basin Research, <https://doi.org/10.1111/bre.12413>.

Tentori, D., Milli, S., Marsaglia, K., 2018, A source-to-sink compositional model of a present highstand: an example in the low-rank Tiber depositional sequence (Latium Tyrrhenian margin, Italy), *Journal of Sedimentary Research*, v. 88, p. 1238-1259.

Milli, S., Girasoli, D. E., **Tentori, D.**, Tortora, P., 2017, Sedimentology and coastal dynamics of carbonate pocket beaches: the Ionian-Sea Apulia coast between Torre Colimena and Porto Cesareo (Southern Italy), *Journal of Mediterranean Earth Sciences*, v. 9, p. 29-66.

Tentori, D., Marsaglia, K., Milli, S., 2016, Sand compositional changes as a support for sequence-stratigraphic interpretation: the middle upper Pleistocene to Holocene deposits of the Roman Basin (Rome, Italy). *Journal of Sedimentary Research*, v. 86, p. 1208-1227.

Marsaglia, K., Milliken, K., Leckie, R., M., **Tentori, D.**, Doran, L., 2015. IODP Smear Slide Digital Reference for Sediment Analysis of Marine Mud. Part 2: Methodology and Atlas of Biogenic Components. *IODP Technical Note 2*. <http://dx.doi.org/10.2204/iodp.tn.2.2015> (website: <http://iodp.tamu.edu/publications/TN.html>)

Marsaglia, K., Shapiro, S., Doran, L., and **Tentori, D.**, 2015. ODP Core Photo Atlas. *IODP Technical Note 3*. <http://dx.doi.org/10.2204/iodp.tn.3.2015> (website: <http://iodp.tamu.edu/publications/TN.html>)

Abstracts:

Tentori, D., Marsaglia, K.M., Milli, S., 2019, A source-to-sink compositional model of a present highstand: the low-rank Tiber Depositional Sequence (Latium, Italy), 34th IAS Meeting of Sedimentology, Rome (Italy), 10-13 September 2019.

Campilongo, G., **Tentori, D.**, Perri, F., Tripodi, V., Milli, S., Critelli, S., Sandstone petrography and mudrock mineralogy of the Late Miocene Agnone Formation (Molise, Italy)

Forti, L., Celant, A., D'Agostino, F., Magri, D., Mazzini, I., Milli, S., **Tentori, D.**, Romano, L., 2019, Depositional Environments and Climatic Events in the Mesopotamian Plain: the Sumerian Site of Abu Tbeirah, 34th IAS Meeting of Sedimentology, Rome (Italy), 10-13 September 2019.

Tentori, D., Marsaglia, K.M., Milliken, K., Leckie, R.M., Doran, L., 2018, IODP references tool for sediment description: Technical Notes 1, 2, and 3, Workshop IODP-Italia, "Lo stato delle proposte di perforazione nell'area mediterranea" Scientific Drilling in the Mediterranean Sea, Italian National Research Council (CNR), Rome, Italy, 15-16 January 2018.

Tentori, D., Marsaglia, K.M., Milli, S., 2017, Sand compositional changes as a support for sequence-stratigraphic interpretation: the middle upper Pleistocene to Holocene deposits of the Roman Basin (Rome, Italy), XIII Meeting Geosed, Perugia, Italy, 16-18 June 2017.

Milli, S., and **Tentori, D.**, 2016, The Pleistocene Ponte Galeria Depositional Sequence: stratigraphy, facies, and provenance analysis. *Journal of Mediterranean Earth Science*, Geosed Meeting, 1-2 December 2016.

Tentori, D., Marsaglia, K.M., Milli, S., 2014, Sand compositional changes as a key for sequence-stratigraphic interpretation: the Pleistocene Tiber River deltaic succession (Italy). April 28, 2014 Pacific Section AAPG, SPE and SEPM Joint Technical Conference Bakersfield, California, p. 77.

Marsaglia, K.M., **Tentori, D.**, Milliken, K., Leckie, R.M., Doran, L., 2014, IODP digital reference for smear slide analysis of marine mud part 2: methodology and atlas of biogenic components. Session no. 129, T188, Organic-Rich Mud Rocks: Geochemistry, Physical Properties, and Paleo-Environments (Posters) (GSA Coal Geology Division; Geochemical Society) GSA Annual Meeting 19-22 October, Vancouver, BC, Canada.

Marsaglia, K.M., Milliken, K., Doran, L., **Tentori, D.**, Leckie, R.M., 2013, New smear-slide reference tool for fine-grained sediment description. Geological Society of America (GSA) Annual Meeting & Exposition 27-30 October, Denver, Colorado, USA, Session no. 40, Recent advances in clastic sediment research (Poster), GSA Abstract with Programs, v. 45, No. 7, p. 124.

Tentori, D., 2013a, Sand compositional changes as a key for sequence-stratigraphic interpretation: the Pleistocene Tiber River deltaic succession (Italy). 16th Annual AAPG Student Expo, Houston (TX), USA, 16-17 September 2013.

Tentori, D., 2013b, Sand compositional changes as a key for sequence- stratigraphic interpretation: the Pleistocene Tiber River deltaic succession (Italy). AAPG-SEG West Coast Student Expo, California State University, Northridge (CA), USA, 3-5 October 2013, Internal Conference.