

Stephan Toby

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Academic career

- 2019 - present **Indiana University, Bloomington (USA), Post-doctoral researcher**
Modelling land loss in the Mississippi delta. Advisor: Douglas Edmonds.
- 2015 - 2019 **University of Liverpool (UK), PhD**
Thesis title: 'Environmental signal propagation, preservation and shredding in sedimentary systems.' Supervisors: Rob Duller and Silvio De Angelis (UoL), Kyle Straub (Tulane University). Funding: NERC EAO DTP + UoL.
- 2013 - 2014 **University of Bergen (Norway), MSc Geosciences of Basins and Lithosphere**
Joint degree master's programme, 2nd year. MSc thesis: Sedimentological analysis of the Late Triassic fluvial Lunde Formation in the Snorre Field, northern North Sea.
- 2012 - 2013 **VU University Amsterdam (NL), MSc Geosciences of Basins and Lithosphere**
Joint degree master's programme, 1st year. MSc research project: Petrophysics and seismic modelling of Cretaceous carbonates, Tunisia.
- 2009 - 2012 **VU University Amsterdam (NL), BSc Earth Science**
BSc thesis: Facies and gamma ray analysis of a Miocene carbonate platform (Las Negras, Cabo de Gata, SE Spain).
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Internship

2018 (Jun-Aug) **Deltares, Delft (NL)**

Publications

- Toby, Duller, De Angelis, Straub, 2019. How much can a landscape take? Autogenic thresholds and the transfer of allogenic signals to stratigraphy. *GRL*, v46, p5837-5845, doi.org/10.1029/2019GL082555
- Burgess, Masiero, Toby, Duller, 2019. A big fan of signals? Exploring autogenic and allogenic process and product in a numerical stratigraphic forward model of submarine-fan development. *Journal of Sedimentary Research: Current Ripples*, v89, p1-12, doi.org/10.2110/jsr.2019.3.
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Funding

- 2015 NERC EAO DTP: PhD research grant and tuition fees.
- 2015 UoL Dept. of Earth, Ocean and Ecological Sciences: PhD stipend.
- 2018 NERC EAO DTP: internship grant.
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Teaching assistantship (University of Liverpool)

- ENVS118 Introduction to sedimentary rocks and fossils.
- ENVS219 Sedimentary processes and depositional environments. (2x)
- ENVS269 Field mapping techniques: fieldwork Almeria, Spain. (2x)
- ENVS394 Crust and mantle evolution.
- ENVS604 Sandstone petrography and diagenesis.
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Project student supervision

- Adam Stratigraphic architecture and stacking patterns of mouth bar lobes, Roda Sandstone.
- Iain Stratigraphic architecture of physical fan delta experiments.
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Conferences

BSRG AGM (2015, 2017, 2018), AGU Fall Meeting (2016, 2018), EGU (2019), SEPM Signal propagation from source to sink (2017), UoL PGR conference (2016, 2017, 2018). **Award:** Best talk UoL PGR Conference 2018.

Other

- 2017/18 Organiser weekly Earth Science Research in Progress (ESRIP) postgrad/postdoc seminar series.
- 2016 Co-organiser 1st annual EAO DTP conference (19 & 20 July 2016, Chester, UK).
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