In this issue:
- Passed Vivas
- Accepted papers
- Grants, Prizes and Awards
- Conference contributions
- Conferences organised
- Other Achievements
- PGR Conference 2018

PASSED VIVAS

Bahroz G. Abdullah: “Controls on the spatial and temporal evolution and distribution of depositional components in the paleocene-lower Eocene succession, Kurdistan region-Iraq”. Main Supervisor: Adrian Hartley

Daniel Bayer da Silva: “Architectural characterization and facies distribution of turbidite lobes from the Miocene of Adana Basin, Turkey”. Main Supervisor: Ben Kneller
Willem Buddendorf: “Multiscale modelling to assess the impacts of flow regulation of Atlantic salmon *Salmo Salmo* L. habitat in Scottish rivers”. Main Supervisor: Chris Soulsby


Ciara Gigleux: “Caribou, climate change and the pre-contact Yup’ik: the isotope ecology and biogeography of a key subsistence species”. Main Supervisor: Kate Britton

Scott Jess: “Provenance of turbidite channel system of the Rosario formation, Baja California, Mexico”. Main Supervisor: Randell Stephenson

Qun Liu: “The Influence of confinement on depositional sheet turbidite system architecture”. Main Supervisor: Ben Kneller

Julia Neri Gezatt: “Thermal evolution of the southeastern Brazilian continental margin and its role in the sedimentary supply of the adjacent offshore basins”. Main supervisor: David Macdonald

Christina E. Noble: “Return migration and belonging in Ireland”. Main Supervisor: Lorna Philip

Elvira Papaleo: “Seismologically imaging the North Anatolian Fault Zone, Turkey”. Main supervisor: David Cornwell
Francesca Porro: “Understanding palynomorphs distribution in cenozoic turbidite systems”. Main supervisor: David Jolley

Lucas Rosetti: “Lithostratigraphy and geochemistry of the Parens-Etenktr Province in Southern Brazil and constrains on the petrophysizol properties of volcano-sedimentary sequences”. Main supervisor: Malcolm Hole

Carmelo Sammarco: “Ambient seismic noise tomography in challenging environments: volcanoes, archipelagos and rift basins”. Main supervisor: David Cornwell

Bernhard Scheliga: “Spatial and temporal dynamics of groundwater-surface water interactions in montane headwater catchment”. Main Supervisor: Doerthe Tetzlaff

Alistair Swan: “Quantification of a Distributive Fluvial System. An example from the Salt Wash unit of the Morrison Formation, Utah”. Main supervisor: Adrian Hartley

ACCEPTED PAPERS


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Aaron Neill: AGU 2018 Poster presentation: Integrating an agent-based model for E coli with a tracer-aided hydrological model to explore controls on microbial water quality


GRANTS/PRIZES/AWARDS

- **Okunuwadje, S.E.**: Recipient of the International Association of Sedimentologists (IAS) Grant to attend the 1st school of diagenesis, FAU Erlangen-Nuremberg, Germany

- **Oien, R.P.**, £350 Travel grant by The North to attend a glaciology and climate workshop in Urbino, Italy

- **Cawood, A.J.**. Journal of Structural Geology Student Author of the Year Award 2018 (for ‘3D mechanical stratigraphy of a deformed multi-layer: Linking sedimentary architecture and strain partitioning’)

CONFERENCE CONTRIBUTIONS – TALKS


- **Okunuwadje, E.S.**, Macdonald D.I.M, Bowden, S.: Diagenetic and reservoir quality variation of Miocene sandstone reservoir analogues from three basins of southern California, 1st School on diagenesis, FAU Erlangen-Nuremberg, Germany, Aug. 2018

- **Walker, F.**, Schofield, N., Millet, J., et al.: Rifting History and Magmatism West of Britain. AAPG ICE Cape Town, November 2018

CONFERENCE CONTRIBUTIONS – POSTERS

- **Maclaren, A.S.** and Barron, A.C. Introducing time, temporality and change in non-representational geographies and beyond. Royal Geographical Society-Institute of British Geographers Annual Conference, Cardiff, August 2018.

- **Machado, J. P.**, Jelinek, S.L., Bicca, L. L. et al. Development of the Atlantic continental margin in southernmost Brazil: Insights from the apatitie (U-Th)/He and fission track data. 16th International Conference on Thermochronology, Quedlinburg, Germany, Sept. 2018


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**CONFERENCES ORGANIZED**

Maclaren, A.S. and Barron, A.C. organized the session 'Temporality and Change: Non-Representational Geographies and Beyond', sponsored by the History and Philosophy of Geography Research Group at the Royal Geographical Society-Institute of British Geographers Annual Conference in August 2018, Cardiff.
OTHER ACHIEVEMENTS

Luka Blažić participated in the 7th IAS 2018 Summer School: "Processes, stratal architecture and controlling factors of continental to deep-marine systems at the foot of the Andes" in Argentina from 21-28 October 2018.

Ramy Abdallah, Kachalla Aliyuda, Zhihua Cui, Alexander Schaaf, James Mullins and Sarah Weihamnn participated in the OGA Machine Learning Hackathon in Aberdeen from 16-18 November 2018. James Mullins and Alex Schaaf were in the group to win the Most Impact Award and Ramy Abdallah and Zhihua Cui’s group won the Best Execution Award.

PGR CONFERENCE

The annual PGR conference was held on 3rd December 2018 demonstrating the quality and breadth of research across the School. Members of staff from the School, alumni and some external visitors (industry, local govt etc.) attended the conference.

Prof. Jolley, the head of our school, opened the conference by encouraging the PhD students to be curious, inquisitive, and learn to present our research. The conference was set up to achieve the latter. It was a great opportunity to learn about all the PhD research going on in the school and to encourage collaboration between students.

The lunch, coffee break and pizza were an outstanding chance to socialize with PhD students and staff. PhD students and staff found it as an opportunity to informally bump into each other and share ideas.
The prizes at the end of the conference, sponsored by a group of Geography alumni, were a great idea as they encouraged exceptional contributions and presentations. The best poster prize was given to Lauren Kedar, while the best oral presentation was given to Marcus Duffy.

It was impressive to see how many new PhD students have started recently and the range of topics they research. It was also a good occasion for them to introduce themselves and their research in front of an audience.

PGR CONFERENCE PHOTO GALLERY
NEW PHD STUDENTS

Archaeology

Leidy Gonzalez Bojaca, Supervisor: Gordon Noble. “Carved Stones in Context in Scotland and Ireland”

Jonathan Mosca, Supervisor: Gordon Noble. “Promontory forts of Scotland”
Geography

Carol Barbone, Supervisor: Tavis Potts. “Navigating Complexity and Securing Reforms for Sustainable Marine Systems”

Jorge Eslava Bautista, Supervisor: Caitlin Cottrill. “After sales in the automotive industry and the environmental challenge: Effects on wholesalers & dealers”

Yogendra Kumar, Supervisor: Jean-Christophe Comte. “Hydrogeophysical approaches for characterising groundwater flow and storage in weathered/fractured aquifers”

Andrew Smith, Supervisor: David Green. “Mapping, monitoring and modelling coastal habitats with UA”

Marja Smith-van den Houten, Supervisor: Tavis Potts. “Marine Protected Areas and Brexit”

Geology

Ramy Abdullah, Supervisor: Claire Bond. “Reducing uncertainty in subsurface interpretation of fold-thrust structures-machine learning from outcrop”

Temitope Akinsanpe, Supervisor: John Parnell. “Biomarker analysis of terrestrial organic matter”

Sophie Behrendsen, Supervisor: John Howell. “Controls on aeolian reservoir performance”

Gabriel Bertolini, Supervisor: Adrian Hartley. “Controls on volcano-sedimentary facies distributions within intracratonic basins: an example from the Mesozoic of the Paraná Basin, Brazil”

Thomas Daniya, Supervisor: Stephen Bowden. “Retention of trace quantities of petroleum-based solids and particulate metals by bio-films, mosses and calcifying organisms”


David Halbert, Supervisor: John Parnell. “Detection of subsurface habitats for life on Mars”

Eleanor Heptinstall, Supervisor: John Parnell. “Subsurface habitats in volcanic rocks on Mars”

Stephen Ingrams, Supervisor: David Jolley. “How cold is cold? The northernmost record of climate change during the Jurassic - Cretaceous transition (Sverdrup Basin, Canadian Arctic Islands)”


Wiktor Luzinski, Supervisor: Andrew Hurst. “Regional controls on the sourcing and location of sand injection complexes in palaeogene in the greater alvheim area”

Olusola Olawuyi, Supervisor: Stephen Bowden. “Fingerprinting used engine oil; geochemical and environmental applications”

THANKS

Many thanks to all those who sent in contributions – we hope that this newsletter gives all PhD researchers more of an idea of what goes on in the School of Geosciences, and if you have any ideas or suggestions for the next issue, please do not hesitate to contact one of the PGR representatives.