



**Evolution of the
continental crust:
growth, stabilisation,
preservation and
recycling**

Building Strong Continents

**2-4 September 2013
University of Portsmouth, UK**

1st Circular

Meeting hosted by the Metamorphic Studies Group at the University of Portsmouth, UK

Building Strong Continents – 2nd to 4th September 2013

The Metamorphic Studies Group (a joint special interest group of the Mineralogical Society and the Geological Society) is hosting an international, inter-disciplinary three-day meeting focused on the geochemical, geophysical and geobiological processes that have governed the evolution of the continental crust through time. These processes include, but are not limited to, metamorphic, igneous, structural, sedimentological and biological, and their inter-relationships, and this meeting aims to attract key researchers within these different themes. Building Strong Continents will offer a world-class programme of presentations and discussions designed to foster inter-disciplinary research into how the continental crust evolved and developed through time.

Conference plan:

Pre-conference workshop on in-situ analytical techniques (Saturday 31st August and Sunday 1st September):

Workshop will include presentations by:

Matt Horstwood (LA-MC-ICPMS)

Bruce Charlier (NanoSIMS, micro-drilling for isotope geochemistry)

Richard Hinton (SIMS and HR-SIMS)

Nick Roberts (LA-HR-ICPMS)

James Darling (EBSD for in-situ sampling strategies)

Ice-breaker Sun 1st September (Barbecue), Portsmouth.

Main oral sessions (one focussed linear session rather than multiple parallel sessions) 2nd to 4th September with poster sessions.

Conference dinner Tuesday 3rd September on HMS Warrior, Portsmouth (<http://www.hmswarrior.org>).

Post-conference fieldtrip to Guernsey, Sark and Brittany 5th to 12th September.

Convenors:

Craig Storey (craig.storey@port.ac.uk), Mike Fowler (mike.fowler@port.ac.uk), Rob Strachan (rob.strachan@port.ac.uk) and Emilie Bruand (emilie.bruand@port.ac.uk) (Portsmouth); Metamorphic Studies Group (p.treloar@kingston.ac.uk)

Website: <http://www.port.ac.uk/special/buildingstrongcontinents/>

Call for sessions: We request ideas for sessions under the following themes

Email the meeting convenors with ideas for sessions or any other suggestions.

Preliminary themes (and theme leaders / keynotes) –

- Early Earth and Archaean (Hugh Rollinson (theme leader))
- Metamorphic controls and responses (Simon Harley (theme leader), Mike Brown, Maryland (Keynote))
- Magmatic processes and records (Bruno Dhuime (theme leader))
- Continental Flood Basalts and Archaean Greenstone Belts (VMSG)
- Tectonic controls and responses (theme leader and MinSoc Hallimond Lecturer: Kent Condie, New Mexico)
- Geophysical insights (tba)
- Subcontinental Lithospheric Mantle (tba)
- Modelling of subduction zones, collision zones and continent growth (Jeroen van Hunen (keynote))
- Mineralisation (Martin Smith (theme leader))
- Sedimentary records and environmental consequences (tba)

Plus breakout sessions for focussed discussions

We truly intend this to be an open and collaborative meeting, with plenty of time for discussion leading to some real agreement of the state-of-the-art and any key missing areas of research and collaboration. To facilitate this, our plan is for theme leaders to summarise the main points arising from contributions during the conference. A panel of theme leaders will then discuss suggestions of key questions arising, areas of collaboration that could address any key questions and resources that may be required. They may then make recommendations, which could include publications, collaborative working parties and future meetings / workshops. They will address the delegation with their findings and open up the floor for discussion.