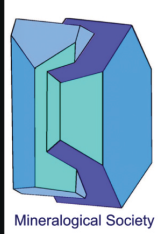




Metamorphic Studies Group presents...



In collaboration with...



VMSG



Origin ANALYTICAL



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

**Building Strong Continents**

**2-4 September 2013**

**University of Portsmouth, UK**



### 3<sup>rd</sup> Circular

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

#### **Building Strong Continents – 2<sup>nd</sup> to 4<sup>th</sup> 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 aimed at early career researchers (Saturday 31<sup>st</sup> August and Sunday 1<sup>st</sup> September):**

Workshop is being organised by James Darling and 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; FEG-SEM)

Sarah Sherlock (in-situ Ar-Ar geochronology)

Ben Buse (FEG-EPMA)

Attendees are encouraged to bring posters presenting their work

#### **Ice-breaker Sun 1<sup>st</sup> September (Barbecue), Portsmouth.**

#### **Main oral sessions (one focussed linear session rather than multiple parallel sessions) 2<sup>nd</sup> to 4<sup>th</sup> September with poster sessions.**

**Conference dinner Tuesday 3<sup>rd</sup> September at the Square Tower, Old Portsmouth ([http://www.squaretower.co.uk/medieval\\_banquets.html](http://www.squaretower.co.uk/medieval_banquets.html)).**

**Post-conference fieldtrip to Guernsey, Sark and Brittany 5<sup>th</sup> to 12<sup>th</sup> September.**

**Post-conference fieldtrip to NW Scotland (Lewisian Complex) 5<sup>th</sup> to 9<sup>th</sup> September**

#### **Convenors:**

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

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

## Themes (sponsors; and theme leaders / keynotes) –

- Early Earth and Archaean (Hugh Rollinson (theme leader))
- Metamorphic controls and responses (MSG; Simon Harley (theme leader), **Mike Brown, Maryland (Keynote)**)
- Magmatic processes and records (MSG; Bruno Dhuime (theme leader), **Jon Davidson, Durham (Keynote)**)
- Large Igneous Provinces through time (VMSG; Mike Widdowson, Open University (theme leader), **Richard Ernst (Keynote)**)
- Tectonic controls and responses (MinSoc; Clare Warren, Open University) theme leader and **MinSoc Hallimond Lecturer: Kent Condie, New Mexico)**
- The lower crustal perspective (GG; **Hilary Downes, Birkbeck (Keynote)**)
- The subcontinental lithospheric mantle (MDSG; Kathryn Goodenough, BGS (theme leader), **Jeremy Richards, Alberta (Keynote – joint with Mineralisation)**)
- Modelling of subduction zones, collision zones and continent growth (Nick Harmon, Southampton (theme leader), **Jeroen van Hunen, Durham (keynote)**)
- Physical properties of the lithosphere (MPG; Phil Benson, Portsmouth (theme leader), **Ian Bastow, Bristol (Keynote)**)
- Mineralisation (MDSG; Martin Smith (theme leader), **Jeremy Richards, Alberta (Keynote – joint with the subcontinental lithospheric mantle)**)
- Sedimentary records and environmental consequences (MSG; Dan Condon, NIGL (theme leader), **Neil Davies, Cambridge (Keynote)**)

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.