

## Program of the 9<sup>th</sup> Hutton Symposium

Time	Oct 14 (Monday) Theme-1	Oct 15 (Tuesday) Theme-2	Oct 16 (Wednesday)	Oct 17 (Thursday) Theme-3 & 4	Oct 18 (Friday) Theme-4
8:30-9:00	Opening ceremony	Keynote-6: Richard Ernst	Mid-conference field trip	Keynote-11: Bernd Lehmann	Keynote-17: Olivier Bachmann
9:00-9:30	Group photo				
9:30-10:30	Keynote-1: Chris Hawkesworth	Keynote-7: Omar Bartoli		Keynote-12: Zhi-Ming Yang	Keynote-18: Julian Pearce
10:30-11:00	Tea break and posters			Tea break and posters	
11:00-12:00	Keynote-2: Bruno Dhuime	Keynote-8: Yong-Fei Zheng		Keynote-13: Reimar Seltmann	Keynote-19: Guil Gualda
12:00-14:00	Lunch break			Lunch break	
14:00-15:00	Keynote-3: Williams J. Collins	Keynote-9: John D. Clemens		Keynote-14: Calvin F. Miller	Keynote-20: Roberto Weinberg
15:00-16:00	Keynote-4: Fang Huang	Keynote-10: Fernando Bea		Keynote-15: Xi-Sheng Xu	Keynote-21: Elena Melekhova
16:00-16:30	Tea break and posters			Tea break and posters	
16:30-17:30	Keynote-5: Oscar Laurent	Young Researcher Forum		Keynote-16: Annen Catherine	Keynote-22: Tao Wang
17:30-18:30	Dinner	Posters	Dinner	Posters	17:30-18:00 Vote for holding the 10 <sup>th</sup> Hutton Symposium
					18:00-18:30 Introduction to the post- conference field trip & closing speech
18:30-20:30	Symphony Orchestra concert of Nanjing University	Welcome banquet		Dinner	

## Program of the 9<sup>th</sup> Hutton Symposium

**Location: Sanjiang Hall (三江厅), Nanjing University International Conference Center**

<b>Oct 14 (Monday)</b>			
Time	Number & Name	Title	Chair(s)
8:30-9:00	Nanjing University	Opening speech	Xi-Sheng Xu
	National Natural Science Foundation of China		
	Academic committee		
9:00-9:30	Group photo		
<b>Theme-1: Granites and the generation and evolution of the continental crust</b>			
9:30-10:30	Keynote-1: Chris Hawkesworth	Geological constraints on the onset of plate tectonics	Jean-François Moyen / Jin-Hui Yang
10:30-11:00	Tea break and posters		
11:00-12:00	Keynote-2: Bruno Dhuime	An isotope geochemistry perspective on continental growth, the start of plate tectonics and the emergence of the continents	Jean-François Moyen / Jin-Hui Yang
12:00-14:00	Lunch break		
14:00-15:00	Keynote-3: Williams J. Collins	The critical role of water in the generation and differentiation of continental crust	Williams J. Collins / Qiang Wang
15:00-16:00	Keynote-4: Fang Huang	Understanding granites and the continental crust from metal stable isotopes	
16:00-16:30	Tea break and posters		
16:30-17:30	Keynote-5: Oscar Laurent	Formation of continents through time: (re-) integrating isotopic proxies based on accessory minerals with the granitoid record	Xian-Hua Li
17:30-18:30	Dinner		
18:30-20:30	Symphony Orchestra Concert of Nanjing University		

**Oct 15 (Tuesday)****Theme-2: Processes that control the generation of granitic magmas in the deep crust**

8:30-9:30	Keynote-6: Richard Ernst	Silicic magmatism of large igneous provinces	Federico Farina / Wen-Liang Xu
9:30-10:30	Keynote-7: Omar Bartoli	Fluid regimes during formation of granitic magmas: new clues from nanogranitoids	
10:30-11:00	Tea break and posters		
11:00-12:00	Keynote-8: Yong-Fei Zheng	Zircons, granites and orogens	Fernando Bea / Chang-Qian Ma / Omar Bartoli
12:00-14:00	Lunch break		
14:00-15:00	Keynote-9: John D. Clemens	Mafic schlieren, crystal accumulation and differentiation in granitic magmas: a case study	Fernando Bea / Chang-Qian Ma / Omar Bartoli
15:00-16:00	Keynote-10: Fernando Bea	Multiple episodic crustal recycling in Central Iberia, or why the Iberian Variscan batholiths are so peculiar	
16:00-16:30	Tea Break and posters		
16:30-17:30	Young Researcher Forum		
17:30-18:30	Posters		
18:30-20:30	Welcome banquet		

**Oct 16 (Wednesday)**

8:30-17:30	Mid-conference field trip		
18:30-20:30	Dinner		

**Oct 17 (Thursday)****Theme-3: Mineralization associated with granitic magmatism**

8:30-9:30	Keynote-11: Bernd Lehmann	Formation of tin ore deposits: A reassessment	Mei-Fu Zhou / Bernd Lehmann/ Pei Ni
9:30-10:30	Keynote-12: Zhi-Ming Yang	Origin of the postcollisional porphyry Cu deposits in southern Tibet: new evidences from the causative granite-hosted MME and lower crustal rocks	
10:30-11:00	Tea break and posters		
11:00-12:00	Keynote-13: Reimar Seltmann	Line rocks in rare metal granites as expression of fluid saturation and rhythmic crystallization	Mei-Fu Zhou / Bernd Lehmann/ Pei Ni
12:00-14:00	Lunch break		

<b>Theme-4: Magmatic processes of large granitoid plutons and felsic volcanic complexes</b>			
14:00-15:00	Keynote-14: Calvin F. Miller	Volcano-pluton connection: Perspectives on material and process linkages from Searchlight pluton and the Highland Range volcanic sequence, Nevada, USA	Roberto Weinberg / Olivier Bachmann / Bin Chen
15:00-16:00	Keynote-15: Xi-Sheng Xu	Cretaceous volcanic-intrusive magmatism and geodynamic constraints, SE China	
16:00-16:30	Tea break and posters		
16:30-17:30	Keynote-16: Annen Catherine	Construction and eruption of plutons: the heat problem	Roberto Weinberg / Olivier Bachmann / Bin Chen
17:30-18:30	Posters		
18:30-20:30	Dinner		
<b>Oct 18 (Friday)</b>			
<b>Theme-4 (continued): Magmatic processes of large granitoid plutons and felsic volcanic complexes</b>			
8:30-9:30	Keynote-17: Olivier Bachmann	Timescales and processes within transcrustal magmatic systems	Calvin F. Miller / Xiao-Lei Wang
9:30-10:30	Keynote-18: Julian Pearce	Granite Fingerprinting Revisited	
10:30-11:00	Tea break and posters		
11:00-12:00	Keynote-19: Guil Gualda	On the origin of alkali feldspar megacrysts in granitoids: The case against textural coarsening; the interplay between nucleation and growth; and a potential record of magma injection, extraction, and eruption	Annen Catherine
12:00-14:00	Lunch break		
14:00-15:00	Keynote-20: Roberto Weinberg	Geochronological record of sustained and cyclic magma generation in HT-LP anatectic terranes	John Clemens / Di-Cheng Zhu
15:00-16:00	Keynote-21: Elena Melekhova	Formation of continental crust at arc settings	
16:00-16:30	Tea break and posters		
16:30-17:30	Keynote-22: Tao Wang	Granitoids in China and adjacent areas and implications for orogeny: an introduction to a digit map	Olivier Bachmann
17:30-18:00	Vote for holding the 10 <sup>th</sup> Hutton Symposium		Xi-Sheng Xu / Xiao-Lei Wang
18:00-18:30	Introduction to the post-conference field trip & closing speech		
18:30-20:30	Dinner		

## Program of the Young Researcher Forum

No.	Time	Name	Nationality	University / Institute	Title
1	16:20-16:25	Matthew Mayne	South Africa	Stellenbosch University	Thermodynamically constrained modelling of trace-element behavior in granitic magmas
2	16:25-16:30	Rong-Feng Ge	China	Nanjing University	Remnants of Earth's oldest continental crust formed by subduction
3	16:30-16:35	Pradip K. Singh	India	Institute of Geology and Geophysics, CAS	Origin of the Bundelkhand granite-greenstone terrane in the Bundelkhand Craton, India: Implications for Neoproterozoic crust-mantle evolution
4	16:35-16:40	Di Wang	China	Nanjing University	Ephemeral magma chambers in the upper crust? A case study of the Jiuling Composite Batholith from South China
5	16:40-16:45	Saurabh Gupta	India	Kumaun University	LIP related Paleoproterozoic crustal evolution of northern Indian block: Evidence from geochemistry, zircon U-Pb-Lu-Hf isotopes of felsic-mafic magmatic rocks and associated quartzite from Kumaun Lesser Himalaya, India
6	16:45-16:50	Jing-Jing Fan	China	Guangzhou Institute of Geochemistry, Chinese Academy of Sciences	B and Mo isotope fractionation during crustal anatexis: Constraints from the Conadong leucogranites in the Himalayan Block, South Tibet
7	16:50-16:55	Rui Li	China	Institute of Geology and Geophysics, Chinese Academy of Sciences	Origin of S-type rocks and enclaves in the Lachlan Fold Belt, SE Australia: New constraints from zircon oxygen, apatite Nd and monazite Nd isotopes
8	16:55-17:00	Russell Bailie	South Africa	University of the Western Cape	Peritectic assemblage entrainment and magma mixing as compositional drivers in the I-type Vredenburg Granite, northwestern Pan-Africa Saldania Belt, South Africa
9	17:00-17:05	Kieran Anthony Iles	Finland	University of Helsinki	Multi-scale isotopic heterogeneity reveals a complex magmatic evolution: an example from the Wallundry Suite granitoids of the Lachlan Fold Belt, Australia
10	17:05-17:10	Jun-Yi Pan	China	Nanjing University	Genesis of the Qixiashan Pb-Zn deposit, Nanjing: new insight from fluid inclusion microanalysis
11	17:10-17:15	Fang-Fang Huang	China	Guangzhou Institute of Geochemistry, Chinese Academy of Sciences	Experimental constraints on intensive crystallization parameters and fractionation in A-type granites: a case study on the Qitianling Pluton, South China
12	17:15-17:20	Christophe Ballouard	South Africa	University of Johannesburg	Magmatic-hydrothermal evolution of LCT pegmatites from the Orange River belt, South Africa
13	17:20-17:25	Ding-Sheng Jiang	China	Nanjing University	The emplacement of young island arc crust over older mantle along a cratonic foreland: constraints from multiple isotopes
14	17:25-17:30	Zhi-Qiang Wang	China	Hefei University of Technology	The petrogenesis of the highly evolved granites from the Nanling Range, South China
15	17:30-17:35	Li-Li Yan	China	Institute of Geology, Chinese Academy of Geological Sciences	Petrogenetic links between volcanic and plutonic rocks from the caldera complex in SE China