

Italian-Australian Archaeology and Cultural Heritage Workshop: New Scientific Techniques in Archaeology, Palaeo-Anthropology and Cultural Heritage

14 - 17 March 2011 at Rydges Hotel, Cronulla, Sydney

For more information and location details, please visit the web page for this workshop:

http://www.ansto.gov.au/talks_and_workshops/italian-australian_archaeology_and_cultural_heritage_workshop

Monday 14 March 2011	
12.30 pm – 2.00 pm	Arrival and registration
2.00 pm - 3.00 pm	<p>Opening/Welcome Chair: <i>Oscar Moze</i>, Scientific Attaché, Embassy of Italy</p> <p><i>Les Bursill</i>, Chair of the Sutherland Shire Aboriginal Advisory Committee <i>Benedetto Latteri</i>, Consul General, Embassy of Italy <i>Mary Finlay</i>, General Manager, International Science & EIF Branch, Department of Innovation, Industry, Science and Research</p>
3.00 pm - 3.30 pm	<p>Science for Cultural Heritage Chair: <i>George Thompson</i>, ICTP Trieste</p> <p><i>Claudio Tuniz</i>, ICTP Trieste and UoW: Science for Cultural Heritage</p>
3.30 pm – 4.00 pm	Coffee Break
4.00 pm - 5.30 pm	<p>Human Origins Chair: <i>Claudio Tuniz</i>, ICTP Trieste & UoW</p> <p><i>Colin Groves</i>, ANU: The struggle for human evolution <i>Giovanni Boschian</i>, U Pisa: The first humans in Italy. What do we really know about chronology? <i>Rainer Grün</i>, ANU: Laser Ablation ICP-MS scanning of isotopes in human fossils</p>
7:00 pm to 9:00 pm	Dinner

Tuesday 15 March 2011

9:00 am to 10:30 am	<p>Human Origins Chair: <i>Collin Murray-Wallace</i>, UoW</p> <p><i>Debbie Argue</i>, ANU: H. floresiensis - what it is, what it isn't, what it means <i>Darren Curnoe</i>, UNSW: Shifting paradigms: how research in East Asia and Australasia is revolutionising our understanding of human evolution <i>Sheila van Holst Pellekaan</i>, UNSW: Genetic heritage: from the living present to the past in Australia</p>
10:30 am to 11:00 am	Coffee break
11:00 am to 12:30 pm	<p>Chronologies Chair: <i>Rainer Grün</i>, ANU</p> <p><i>Quan Hua</i>, ANSTO: The game of radiocarbon dating and calibration <i>Bert Roberts</i>, UoW: Advances in OSL dating and recent archaeological applications <i>David Fink</i>, ANSTO: Burial dating in archaeology using Be-10 and Al-26 cosmogenic radioisotopes</p>
12:30 pm to 2:00 pm	Lunch
2:00 pm to 3:30 pm	<p>Human Origins Chair: <i>Giovanni Boschian</i>, U Pisa</p> <p><i>Steve Wroe</i>, UNSW: The craniomandibular mechanics of being human <i>Gavin Prideaux</i>, Flinders U: Records of Environmental Change and Megafaunal Extinction from Southern Australia <i>Federico Bernardini</i>, ICTP Trieste: Scientific analyses of stone axes: reconstructing neolithic long-distance connections in north-eastern Italy</p>
3:30 pm to 4:00 pm	Coffee Break
4:00 pm to 5:30 pm	<p>Pacific Prehistory Chair: <i>Mariaelena Fedi</i>, INFN and U Florence</p> <p><i>Sue O'Connor</i>, ANU: Simple tools, complex technology: How direct dating has revolutionised our views of the prehistory of Island Southeast Asia <i>Robin Torrence</i>, Australian Museum: New directions in the study of ancient obsidian trade in Papua New Guinea: assessments of portable X-ray fluorescence and portable Raman spectroscopy <i>Keith Fifield</i>, ANU: Pushing the Radiocarbon limit in Australian archaeology</p>

Wednesday 16 March 2011

9:00 am to 10:00 am	<p>Paleobiology Chair: <i>Sheila van Holst Pellekaan</i>, UNSW</p> <p><i>Alan Cooper</i>, U Adelaide: Using new ancient DNA methods to record human evolution and migration, and to reveal the impacts of climate change <i>Ruggero D'Anastasio</i>, U Chieti: X-ray computed microtomography of Primates' hyoid bones: implication for language evolution</p>
10:00 am to 10:30 am	Panel discussion about Analytical Techniques
10:30 am to 11:00 am	Coffee Break
11:00 am to 12:30 pm	<p>Analytical Techniques Chair: <i>Keith Fifield</i>, ANU</p> <p><i>Gianluca Quarta</i>, University of Salento: Accelerator based analytical methods in cultural heritage diagnostics: applications of IBA and 14C-AMS dating in archaeological sciences <i>Mariaelena Fedi</i>, INFN and U Florence: AMS and IBA for Cultural Heritage <i>Filippo Terrasi</i>, 2nd University of Naples: A novel methodology for mortar radiocarbon dating</p>
12:30 pm to 2:00 pm	Lunch
2:00 pm to 3:30 pm	<p>Analytical Techniques Chair: <i>Gilberto Artioli</i>, U Padova</p> <p><i>Anton Stampfl</i>, ANSTO: Shedding light on the past <i>Roberto Triolo</i>, U Palermo: Neutron Scattering and Neutron Imaging teaming up to brighten up the Past <i>Vladimir Luzin</i>, ANSTO: Neutron scattering and neutron diffraction for cultural heritage</p>
3:30 pm to 4:00 pm	Coffee Break
4:00 pm to 5:30 pm	<p>Analytical Techniques Chair: <i>Steve Wilkins</i>, CSIRO</p> <p><i>Franco Zanini</i>, Sincrotrone Trieste: Advances in cultural heritage X-ray microstructural analysis at Elettra <i>Karen Privat</i>, UNSW: Contributions of Electron Microscopy and Microanalysis to Archaeological Research <i>Gilberto Artioli</i>, U Padova: Archaeometallurgy at large scale facilities: new tools for old metals</p>

Thursday 17 March 2011

9.00 am to 10.00 am	<p>Human origins Chair: <i>Darren Curnoe</i>, UNSW</p> <p><i>Mike Morwood</i>, UoW: Faunal biogeography in Southeast Asia: implications for hominin dispersals <i>Gert van den Bergh</i>, UoW: In search for the <i>Homo floresiensis</i> ancestors: excavating Pleistocene sites on the islands Flores and Sulawesi, Indonesia</p>
10:00 am to 10:30 am	Coffee Break
10:30 am to 12:00 pm	<p>Analytical Techniques Chair: <i>Filippo Terrasi</i>, U Caserta</p> <p><i>Andrew Peele</i>, Australian Synchrotron: The Australian Synchrotron as a Resource for Cultural Heritage Studies <i>Deborah Lau</i>, CSIRO: Imaging Paintings with Synchrotron Radiation <i>Steve Wilkins</i>, CSIRO: Advanced X-Ray Imaging Techniques for Cultural Studies</p>
12:00 pm to 12.30 pm	<p>Wrap-up: <i>Claudio Tuniz</i> and <i>David Fink</i> Outcomes of the workshops</p>
12.30 pm to 1.30 pm	Lunch
1:30 pm to 5:30 pm	Visit ANSTO
5:30 pm	<p>Depart ANSTO: Bus will depart ANSTO at 5.30pm. Drop offs at Sydney Domestic Airport and Sydney Central Railway Station.</p>