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Conference Presentation

2010

1. R. Edwards, M. Bisiaux, J. McConnell, K. Taylor, D. Pasteris, R. Banta, K. Sterle, T. Neumann, M. R. Albert, E. Isaksson, H. Anschuetz, T. D. Ommen, M.A.J. Curran, and A. M. Smith (2010). Spatial variability of black carbon deposition to Antarctica over the 20th Century, WAIS Divide ice core project science meeting, September 30th-October 1st 2010, Scripps Seaside Forum in La Jolla, California, USA.
2. J.B. Pedro, U. E. Heikkilä, A. M. Smith, T. D. Van Ommen (2010)¹⁰Be in ice at high resolution: Solar activity and climate signals observed and GCM-modeled in Law Dome ice cores, poster presentation at EGU General Assembly, Vienna, Austria, 02-07 May 2010, abstract published.
3. A.M. Smith, 14C of CH₄ as tracer for quantifying past sources of atmospheric methane, poster presentation at European Research Course on Atmospheres (ERCA), 11th January -12th February 2010, Grenoble, France.
4. Mazumder D, Johansen M, Saintilan N, Iles J, Knowles L, Kobayashi T, Wen L (2010) Food webs in freshwater floodplain wetlands inundated with environmental flows during drought conditions. The 7th international Conference on Applications of Stable Isotope Techniques to Ecological Studies, Fairbanks, USA, 9-13 August 2010. P.14.
5. Mazumder, D., Johansen, M., Saintilan, N., Iles, J., Knowles, L., Kobayashi, T., and Wen, L. (2010). Isotopic modelling studies of flood web structure in wet and dry conditions, Yanga wetlands, NSW, Australia. Ecosystem Responses Modelling in the Murray-Darling Basin: Better Use of Environmental Water, Sydney 11-12 May 2010. P-25.
6. Iles, J., Kobayashi, T., Knowles, L., Saintilan, N., and Mazumder, D. (2010). Environmental flow water and aquatic consumer food web structure: temporal aspects. Ecosystem Responses Modelling in the Murray-Darling Basin: Better Use of Environmental Water, Sydney 11-12 May 2010. P-23.
7. Larsen J., Cendón D.I., Nanson G., Jones B. (2010) Radiocarbon and geochemical constraints on shallow groundwater recharge in a large arid zone river. Cooper Creek, SW Queensland, Australia, Geophysical Research Abstracts, Vol. 12. EGU2010-14002.
8. Cendón D.I., Pueyo J.J., Ayora C., Garcia-Veigas J., Blanc-Valleron M-M. (2010). Exploring the hydrochemical evolution of brines leading to sylvite precipitation in ancient evaporite basins. Geophysical Research Abstracts, Vol. 12, EGU2010-3807-1, EGU General Assembly 2010.
9. Francey, R., van der Schoot, M., Krummel, P., Steele, P., Trudinger, C., and Zahorowski, W., 2010: 'Recent Slowing in Global CO₂ Growth: Reducing Uncertainty in the CO₂ Growth Trend'. Invited oral presentation at: Greenhouse gases in the Earth system: setting the agenda to 2030 conference. The Royal Society, London. 22-23 February 2010.
10. Parkes, S., Griffith, D., Williams, A.G., Element, A., Chambers, S., and McCabe, M., 2010: 'In-situ measurements of the stable isotopic composition of atmospheric water vapour using FTIR spectroscopy'. Invited oral presentation at: Workshop On Water Isotopologues In The Atmosphere conference, 26-30 April 2010, Paris.

11. Parkes, S.D., Deutscher, N.M., Frankenberg, C., Jones, N.B., Griffith, D.W.T., and Williams, A.G., 2010: 'Inter-comparison of surface and column measurements of the stable isotope composition of atmospheric water vapour'. Geophysical Research Abstracts, Vol. 12, EGU2010-7489, EGU General Assembly 2010, 2–7 May 2010, Vienna.
12. Parkes, S.D., Williams, A.G., Element, A., Chambers, S., Griffiths, A.D., and Griffith, D.W.T., 2010: 'The stable isotope signal of atmospheric water vapour in Sydney, Australia'. Geophysical Research Abstracts, Vol. 12, EGU2010-7429, EGU General Assembly 2010, 2–7 May 2010, Vienna.
13. Williams, A.G., Zahorowski, W., Chambers, S., Element, A., Werczynski, S., and Griffiths, A.D., 2010: 'Improved estimation of total boundary layer radon for budget studies and regional integrations'. Geophysical Research Abstracts, Vol. 12, EGU2010-3823, EGU General Assembly 2010, 2–7 May 2010, Vienna.
14. Zahorowski, W., Chambers, S., Griffiths, A.D., Crawford, J., and Williams, A.G., 2010: 'Seasonal variability of the radon-222 flux density from the Southern Ocean derived from atmospheric radon-222 measurements at the Cape Grim baseline station in Tasmania'. Geophysical Research Abstracts, Vol. 12, EGU2010-3828, EGU General Assembly 2010, 2–7 May 2010, Vienna.
15. Chambers, S., Williams, A.G., Zahorowski, W., and Griffiths, A.D., 2010: 'Evaluating radon-derived mixing depth as a potential length scale for nocturnal mixing processes over land'. Geophysical Research Abstracts, Vol. 12, EGU2010-3839, EGU General Assembly 2010, 2–7 May 2010, Vienna.
16. Zahorowski, W., Vermeulen, A., Williams, A.G., Chambers, S., and Verheggen, B., 2010: 'Continuous hourly radon gradient observations at Cabauw, the Netherlands - a review of main features of the 2007-2009 dataset', Geophysical Research Abstracts, Vol. 12, EGU2010-3840, EGU General Assembly 2010, 2–7 May 2010, Vienna.
17. Griffiths, M., R. Drysdale, Q. Hua, J. Hellstrom, S. Frisia, M., Gagan, J.-x. Zhao, and L. Ayliffe, Assessment of climatic influences on ^{14}C activity in a Holocene stalagmite from Flores, Indonesia, The 3rd Dated Speleothems Archives of the Paleoenvironment (DAPHNE) Workshop, 30 Jun - 2 Jul 2010, Innsbruck, Austria.
18. Minami, M., Y. Miyata, T. Nakamura, and Q. Hua, A first step toward small-mass AMS radiocarbon analysis, The 12th Japanese Accelerator Mass Spectrometry (AMS) Conference, 23-24 May 2010, Nagoya, Japan.
19. Woodroffe, C.D., B.P. Brooke, M. Linklater, D.M. Kennedy, B.G. Jones, C. Buchanan, R. Mlecko, Q. Hua, and J.-x. Zhao, Morphology and formation of relict coral reef on the shelf around Lord Howe Island, GeoHab 2010 Conference, 4-6 May 2010, Wellington, New Zealand.
20. L. Burn-Nunes, K.J.R. Rosman, P. Vallenga, R.D. Loss, M. Curran and A.M. Smith, The measurement of Pb in ancient Antarctic ice: Implications for source regions of aerosols and past environmental conditions, Goldschmidt 2010, June 13th -18th 2010, Knoxville Tennessee, abstracts published in *Geochimica et Cosmochimica Acta*
21. A. Mackintosh, N. Golledge, E. Domack, R. Dunbar, A. Leventer, D. White, D. Pollard, R. DeConto, D. Fink, D. Gore and C. Lavoie, Peripheral recession of Antarctic ice sheets forced by sea level rise and ocean warming, International Physical Year Conf, Oslo, July 2010.
22. Anne Felton, Adam D. Switzer, David Fink, Keith A. W. Crook, Overturned cliff-top mega-boulders at Little Beecroft Head, Jervis Bay, NSW, Australia: A mega-tsunami or aboveground bolide impact about 20 ka BP? E. Australian Earth Sci Convention, Canberra July 2010
23. Noa Fruchter, Ari Matmon, Ezra Zilberman, Yoav Avni, and David Fink, Sediment source and mixing and the cycle of sediment transport: an example from NE Negev Desert, Israel, EGU, Vienna, 2010, Geophysical Research Abstracts, Vol 12, EGU2010-5438
24. David Fink, E. Anne Felton, Keith A.W. Crook, Adam D. Switzer, Cliff-top boulders on coastal platforms at Little Beecroft Head, southeast Australia – Holocene tsunami deposits or ancient relics of platform weathering? EGU, Vienna, 2010, Geophysical Research Abstracts, Vol 12, EGU2010-6564

25. Duanne A. White, David Fink and Stephan Winkler, GRACE satellite data and cosmogenic exposure ages in Enderby Land, Antarctica: ice mass increase or uncorrected post-glacial rebound? EGU, Vienna, 2010, Geophysical Research Abstracts, Vol 12, EGU2010-6562
26. David Fink, Bryan Storey, David Hood, Kurt Joy and Jamie Shulmeister, Constraints on ice volume changes of the WAIS and Ross Ice Shelf since the LGM based on cosmogenic exposure ages in the Darwin-Hatherton glacial system of the Transantarctic Mountains, EGU, Vienna, 2010, Geophysical Research Abstracts, Vol 12, EGU2010-6551
27. McGregor, H.V, Phipps, S.J., Woodroffe, C.W., Gagan, M.K., & Fink, D. The El Niño-Southern Oscillation (ENSO) from 0-2 ka,. ENSO OZ 2ka Workshop, Melbourne, June 2010
28. S.Robinson, L.Clarke, Q.Hua and D. Fink, , Monitoring impacts of a changing climate on plant communities of continental Antarctica, British Ecological Society Conference, July, 2010, London England
29. Storey, B., Fink, D., Joy, K. and Shulmeister, J, Constraints on Antarctic ice volume changes since the LGM based on cosmogenic exposure ages in the Darwin-Hatherton glacial system of the Transantarctic Mountains, 31st Scientific Conf on Antarctic Research, Meeting, Argentina, August, 2010
30. Kurt Joy, Bryan Storey, David Fink, James Shulmeister, Diamond Hill, Darwin Glacier. A proxy for the West Antarctic Ice Sheet? Antarctic New Zealand Annual Conference, Christchurch , New Zealand, June , 2010
31. Kurt Joy, Cliff Atkins, Bryan Storey & David Fink. The Darwin / Hatherton Glacial System. Preliminary results of geomorphological mapping and cosmogenic sampling in 2009/10 season. Antarctic New Zealand Annual Conference, Christchurch , New Zealand, June , 2010.
32. Marie-Christine Josick Comarmond, Timothy Payne, Jennifer Harrison, Sangeeth Thiruvoth and Katharina Müller. Uranium sorption on various forms of TiO₂ – influence of surface area, surface charge and impurities. Chem. Listy 104, S172-s262 (2010) Reg. L17(Id 194).
33. John Twining and Mat Johansen. Environmental studies in Australia: current radioecological priorities. Third Asian and Oceanic Congress on Radiation Protection. Tokyo, Japan, 24-28 May 2010.
34. Xinrong, Zhang, Henk Heijnis, John Dodson and Atun Zawadzki; Environmental Changes indicated by grain-size and trace-metal analysis over the past 700 years at Annaburroo Lagoon, NT, Australia. Australasian Quaternary Association Meeting, North Stradbroke Island, July 2010.
35. Pia Atahan, John Dodson, Xiaoqiang Li, Xinying Zhou, Liang Chen, Kliti Grice. Millet agriculture in north-central China: evidence from human remains. Australasian Quaternary Association Meeting, North Stradbroke Island, July 2010
36. David Fink and Paul Williams, Southern Hemisphere millennial glaciations during the past 30 Ka driven by Antarctic ice sheet variability, p12, International Glaciological Conf, Ice and Climate Change: A view from the South, Valdivia, Chile, 1-3 February, 2010
37. David Fink and Paul Augustinus, The glacial history of Tasmania from mid-Pleistocene to the Last Glacial Maximum – new challenges and new ideas for hemispheric glacial climate correlations, p13, International Glaciological Conf, Ice and Climate Change: A view from the South, Valdivia, Chile, 1-3 February, 2010
38. David Fink and James Shulmeister, Late-glacial re-advance during the Last Glacial-Interglacial Transition; revisiting the Misery moraines in the Southern Alps of New Zealand, page 32, International Glaciological Conf, Ice and Climate Change: A view from the South , Valdivia, Chile, 1-3 February, 2010
39. St Pierre, E., J. –x. Zhao, K. Aplin, R. Drysdale, S. Golding, M. Griffiths and Q. Hua, A multi-proxy record of Late Holocene palaeoenvironmental change and human impact on the environment in Western Flores, Indonesia, The Australian Archaeology Association conference, 9-13 Dec 2010, Batemans Bay, NSW Australia.

40. Robinson, S. A., L. J. Clarke, D. King, D. J. Ayre, Q. Hua, D. Fink, and A. Lucieer, Monitoring impacts of a changing climate on plant communities of Continental Antarctica, British Ecological Society Annual Meeting 2010, 7-9 Sep 2010, University of Leeds, UK.
41. Hua, Q., R. Drysdale, J. McDonald, D. Redwood, and S. Fallon, Chronological reconstruction for young speleothems by radiocarbon, the Paleochronology Building Workshop, 17-21 Aug 2010, San Miguel de Allende, Guanajuato, Mexico.
42. Clarke, L. J., S.A. Robinson, D. J. Ayre, Q. Hua, and D. Fink, Impacts of a changing climate on growth rates of Antarctic mosses, the American Society of Plant Biologists Meeting – Plant Biology 2010, 31 Jul – 4 Aug 2010, Montreal, Canada.
43. Tibby, J. J. Marshall, J. Lobegeiger, T. Myburgh, and Q. Hua, Waterhole sedimentation in the dryland Mooniew River and the loss of drought refugia for fish, AQUA (Australasian Quaternary Association) Biennial Meeting, 11-18 Jul 2010, North Stradbroke Island, southeast Queensland.
44. McDonald, J., R. Drysdale, E. Hodge, Q. Hua, M. Fischer, P. Treble, A. Greig, and J. Hellstrom, A 1,000 year rainfall record for SE Australia using speleothem hydrological proxies, Australian Earth Sciences Convention 2010, 4-8 Jul 2010, Canberra.
45. Arjen P. Stroeven, Clas Hättestrand, Derek Fabel, and David Fink et al., Retreat pattern of the Fennoscandian ice sheet since the Younger Dryas based on geomorphology and multiple proxies for deglaciation age (^{14}C , ^{10}Be , OSL), APEX 4th Fourth International conference and workshop, Iceland, May 2010 – Arctic paleoclimate proxies and chronologies.
46. M.J. Fischer and P.C. Treble (2010), Reconstructing climate modes from Australian speleothems. First Aus2K Workshop, School of Earth Sciences, University of Melbourne, 31 May – 2 June (<http://www.pages-igbp.org/science/2k/aus2k/aus2kmeeting2010.html>).
47. P.C. Treble (2010), “Speleothem palaeo-rainfall archives in southwest and southeast Australia” First Aus2K Workshop, School of Earth Sciences, University of Melbourne, 31 May – 2 June (<http://www.pages-igbp.org/science/2k/aus2k/aus2kmeeting2010.html>).
48. M. J. Fishcer and P.C. Treble (2010), Holocene Climate Reconstructions and modelling from Australian Speleothems. Australian Earth Sciences Convention 2010, Canberra, 4-8 July (<http://www.aesc2010.gsa.org.au/>).
49. Fujioka, T., Fifield, L.K., Chappell, J., Pillans, B. and Tims, S., 2010. A new cosmogenic isotope manganese-53, for exposure dating: preliminary results from iron-rich rocks in arid –semiarid Australia (oral). Australasian Quaternary Association (AQUA) biennial meeting, Strabroke is., QLD, 11-18 July 2010.
50. Vladmir Levchencko, Bradley Opdyke, David Fink, Charles Mifsud, Alan Williams, Chris Klootwijk. An improved radiocarbon chronology and calibration over the Laschamp event: ^{14}C – ^{10}Be cross synchronisation, Geological Society of Australia, 2010 Australian Earth Sciences Convention (AESC) 2010, Earth systems: change, sustainability, vulnerability. Abstract No 98 of the 20th Australian Geological Convention, p74.
51. David Cohen (invited) Recent trends in fine particle characterisation source apportionment and back trajectory methods and how PIXE techniques are a key component of this. 12th International Conference on Particle Induced X-ray Emission and its Analytical Applications PIXE 2010, Guildford, UK, 28th June – 2nd July 2010
52. E. Abbey, J. Webster, G. Jacobsen, A. Thomas, G. Henderson, P. Reimer, J.C. Braga, G. Camoin, R. Beaman, A. Tudhope, T. Bridge, N. George. Morphological variation, composition and age of submerged reefs on the Great Barrier Reef. Australian Earth Sciences Convention, Canberra, 4-8 July 2010
53. R. Siegele, M.J Hackett, F. El-Assad, J.A McQuillan, E.A Carter, G.E Grau, N.H Hunt, D. Cohen, and P.A. Lay, Investigation of Cerebral Malaria Using STIM and μ -PIXE, International Conference on Nuclear Microprobe Technology and Applications 2010, Leipzig, 26.-20. July, 2010.

54. David D. Cohen (invited), Jagoda Crawford, Eduard Stelcer, Vuong Thu Bac. IBA techniques to determine long term fine particulate matter, its composition, sources and transport in Hanoi between 2001-08, International Conference on the Application of Accelerators in Research and Industry (CAARI-2010), Forth Worth, Texas, USA, 8-13 August 2010.
55. MAH Hotchkis and D Button. Mass Spectrometry with an ECR Ion Source. XIXth International Workshop on ECR Ion Sources, August 23-26, 2010, Grenoble, France.
56. Bilkis A. Begum, Swapan K. Biswas, Gauri G. Pandit, Shahida Waheed, Manikkuwadura C. S. Seneviratne, David D. Cohen, Andreas Markwitz, Philip K. Hopke. Long Range Transport of Anthropogenic Pollution in the Asian Region, 29th Annual Conference of the American Association for Aerosol Research, Portland Oregon, USA, 25-29 October 2010.
57. David Cohen (keynote speaker). Role of nuclear analytical techniques in the field of environment, health and industry, National Seminar on Neutron Activation Analysis, Serpong, Indonesia, 2-3 November 2010.
58. M Boland, R. R. Rassool, D. Cohen, J. Dodson, D. Hinde, G. LeBlanc, N. Lobanov, G. Taylor. Australian Collaboration for Accelerator Science (ACAS), 19th Australian Institute of Physics Congress, Melbourne, Victoria, Australia, 5-9 December 2010.
59. Tony Mowbray, David Garton, Mick Mann, Andrew Downes, Shane Long, Peter Drewer, David Button Multiple Stripper Gas Selections in a FN Tandem Symposium of North Eastern Accelerator Personnel (SNEAP) – Paris, 20 - 24 September 2010
60. Tony Mowbray, David Garton, Peter Drewer, Kevin Ansary, Peter Bond, Ollie Evans. Improved Earthing of Column and Tubes in an FN Sized Tandem Symposium of North Eastern Accelerator Personnel (SNEAP) – Paris, 20 - 24 September 2010
61. David Garton, Lab Report, Symposium of North Eastern Accelerator Personnel (SNEAP) – Paris, 20 - 24 September 2010
62. J. Crawford, W. Zahoroowski D. D. Cohen, S. Chambers, E Stelcer, S. Werczynski, Cape Grim Annual Science Meeting, Aspendale, VIC, Australia, 9-10 December 2010.