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Conference Presentation

2005

1. Zahorowski, W., S. Chambers. Characterising air mass in boundary layer and free tropospheric events using radon-222. CSIRO Climate Science Meeting, Hotel Watermark, 3032 Gold Coast HWY, Surfers Paradise, 25-26 May, 2005, p17.
2. M. Fischer, A. Henderson-Sellers, K. McGuffie, C. Tadros, 2005, Evaluation of Stable Isotopic Pools and Fluxes Simulated by a Land-Surface Scheme Using New Observations of Isotopic Ratios in Precipitation and Atmospheric Water Vapour. 5th International Scientific Conference on the Global Energy and Water Cycle, 20-24 June 2005, Costa Mesa, California, USA. Oral presentation.
3. Henderson-Sellers, A. The Role of Isotopes in Understanding the Water Cycle. 5th International Scientific Conference on the Global Energy and Water Cycle, 20-24 June 2005, Costa Mesa, California, USA. Oral presentation.
4. Henderson-Sellers, A. The Stable Water Isotope Intercomparison Group (SWING) - Evaluation of Simulated Water Budgets and their Isotopic Compositions. 5th International Scientific Conference on the Global Energy and Water Cycle, 20-24 June 2005, Costa Mesa, California, USA. Oral presentation.
5. Henderson-Sellers, A. The Project of Inter-comparison of Land-surface Parameterisation Schedules (PILPS): Using Data to Improve Models of Land-Atmosphere Exchanges. 5th International Scientific Conference on the Global Energy and Water Cycle, 20-24 June 2005, Costa Mesa, California, USA. Poster presentation.
6. U. Zoppi, D. Cohen and D. Garton (2005) ANSTO's accelerators, presented at 16th National Congress of the Australian Institute of Physics, Jan 31 – Feb 4, 2005, Canberra.
7. Ed Stelcer (invited), Olga Hawas, David Cohen, Adam Sarbutt, David Button. Will Air Quality in Sydney Meet Proposed Australian Fine Particle NEPM Guidelines? 5th International BioPIXE Conference, Wellington, New Zealand, 17-21 January 2005.
8. David D Cohen (invited, partially funded), The microspectroscopy beamline on the Australian Synchrotron. The Synchrotron Workshop at 8th Biennial Symposium of Australian Microbeam Analysis Society (AMAS-VIII), RMIT, Melbourne, 13-14 February 2005.
9. David D Cohen (invited). Characterisation and elemental mapping of sub-micron aerosol particles using Synchrotron X-ray fluorescence. 8th Biennial Symposium of Australian Microbeam Analysis Society (AMAS-VIII), University of Melbourne, 15-17 February 2005.

10. Olga Hawas (invited), Ed Stelcer, David Cohen, Ion Beam Analysis of Fine Particle Composition in Four Major Australian Cities Project. Aerosol Workshop, University New South Wales, Sydney, 30 March-1 April 2005.
11. Ed Stelcer(invited), Olga Hawas, David Cohen, Will Air Quality in Sydney Meet Proposed Australian Fine Particle NEPM Guidelines? Aerosol Workshop, University New South Wales, Sydney, 30 March-1 April 2005.
12. David Cohen(invited) Olga Hawas, Ed Stelcer, Characterisation of Fine Aerosols using IBA Techniques at ANSTO Aerosol Workshop, University New South Wales, Sydney, 30 March-1 April 2005.
13. Andrew Chan, Rod Simpson, David Cohen, Olga Hawas, Eduard Stelcer, Lyn Denison, Neil Wong, Gary Golding, Elizabeth Christenson, Willy Gore, Mary Hodge, Eva Comino, Stewart Carswell, Apportionment of Sources of Emission of Particles in Four Major Australian Cities by Positive Matrix Factorisation. Proceedings of 17th International Clean Air Conference, Hobart, Tasmania, Australia, 3-6 May 2005.
14. Alves, S.M. Hearne, P. Reichart, R. Siegele, D.N. Jamieson, P.N. Johnston, Ion beam lithography with single ions. Proceedings of SPIE -- Volume 5650, Micro- and Nanotechnology: Materials, Processes, Packaging, and Systems II, Jung-Chih Chiao, David N. Jamieson, Lorenzo Faraone, Andrew S. Dzurak, Editors, February 2005, pp. 381-390
15. K.L. Smith, M.G. Blackford, R. Gieré, J. Twining, R. Siegele, H. Li, P.J McGlinn, E. Loi (2005) Fly Ash Characterisation and Leach Testing AMAS VIII (Australian Microprobe Analysis Society - Eight Biennial Symposium) Melbourne Vic., 13th - 17th February 2005
16. Olga Hawas, Eduard Stelcer, David Cohen, Andrew Chan, Rod Simpson, Lyn Denison, Neil Wong, Gary Golding, Elizabeth Christensen, Willy Gore, Mary Hodge, Eva Comino, Stewart Carswell. Trace heavy metals in fine and coarse aerosols in four major Australian cities. Proceedings of 17th International Clean Air Conference, Hobart, Tasmania, Australia, 3-6 May 2005.
17. D. Fink (keynote address), Quantifying landscape evolution with in situ cosmogenic adionuclides: bedrock exposure ages, denudation rates and sediment burial , INQUA Sub-program 471 "International Workshop on Sub-aerially exposed continental shelves since the Middle Pleistocene climatic transition" Hong Kong Univ, May 9-13, 2005
18. D.Fink, Are glacial chronologies across the Southern hemisphere over the past 80ka regionally synchronised, Reconstructing Past Climates For Future Prediction: Integrating High-Resolution Palaeo Data For Meaningful Prediction In The Australasian Region, Australian Academy of Science National Committee for Earth System Science, 27-28 June 2005, Canberra Australia
19. K. Harle, D. Fink and 20 other authors, The key ways that palaeo-science can constrain uncertainties about climate change and its potential impacts in Australia Reconstructing Past Climates For Future Prediction: Integrating High-Resolution Palaeo Data For Meaningful Prediction In The Australasian Region, Australian Academy of Science National Committee for Earth System Science, 27-28 June 2005, Canberra Australia
20. G. Skilbeck, M. Gagan, T. Rolph, D. Fink, Multidecadal and Century –scale ENSO variability in 20,000-year sediment records from the south Pacific Rim, Reconstructing Past Climates For Future Prediction: Integrating High-Resolution Palaeo Data For Meaningful Prediction In The Australasian Region, Australian Academy of Science National Committee for Earth System Science, 27-28 June 2005, Canberra Australia

21. Hua, Q., M. Barbetti, U. Zoppi, D. Fink, and E. Cook, Variations in atmospheric ^{14}C during the Younger Dryas recorded in Tasmanian Huon pine tree rings, Reconstructing Past Climates for Future Prediction Meeting, 27-28 Jun 2005, Canberra, Australia.
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23. Jong Wah, J.W., Ferris, J.F., Wintrebert_Fouquet, M. and K.S.A. Butcher, 2005. Dielectric properties and photoluminescence of diatomaceous silica. 16th Biennial Congress - Australian Institute of Physics Proceedings, Canberra, 31 Jan-4 Feb, p 177.
24. Mazumder, D. (2005). The Contribution of saltmarsh crabs to estuarine fish. In, Abstracts of the Sydney Olympic Park Authority Biodiversity Seminar, P-18.
25. Mazumder, D., Saintilan, N., Williams, R. J., and Szymczak, R. (2005). An ecological contribution of saltmarsh to temperate Australian estuaries. Australian Saltmarshes 2005, Conference program and book of abstracts, Centre for Environmental Restoration and Stewardship, Australian Catholic University, North Sydney, Australia. P-12
26. Mazumder, D., Saintilan, N., Williams, R.J. and Szymczak, R. (2005). An ecological contribution of saltmarsh to temperate Australia estuaries. In, Abstracts of the Australasian Saltmarshes 2005 Conference (Sydney - Feb 05), p. 9.
27. Creighton, N.M., Alquezar, R. and Twining, J.R. (2005) Preliminary Investigations on the Uptake and Depuration of Water-borne ^{75}Se and ^{109}Cd in the Semaphore Crab (*Heloecius cordiformis*). Proceedings of the 8th International Conference on the Biogeochemistry of Trace Elements, Adelaide, Australia, April 3-7, 2005, p.726.
28. Rosenfeld, M. Reinhard, A. Fazzi, I. Cornelius, A. Wroe, R. Siegele, A.Pola, S. Agosteo. Ion beam induced charge imaging of a monolithic silicon telescope. IEEE Nuclear Science Symposium, Puerto Rico, October 2005.
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32. David D Cohen, Stuart Hargreaves, Ed Stelcer, Olga Hawas, Adam Sarbutt, David Button. A Comparison of Chemical Mass Balance and Positive Matrix Factorisation Methods for Quantification of Fine Particle Air Pollution Sources in Sydney, Australia. Proceedings of 14th Nuclear and Complementary Techniques of Analysis Conference, p.126-129, Wellington, New Zealand, 20-22 November 2005.

33. John W. Boldeman, Chris Ryan, David D Cohen (Plenary), The Microspectroscopy Beamline for the Australian Synchrotron Project. Proceedings of 14th Nuclear and Complementary Techniques of Analysis Conference, p.41-44, Wellington, New Zealand, 20–22 November 2005.
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