

Peter Dunsby

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Summary

Peter Dunsby is currently a full professor of gravitation and cosmology in the Department of Mathematics and Applied Mathematics at the University of Cape Town (UCT). He has published extensively in theoretical cosmology, teaches undergraduate and postgraduate courses in Applied Mathematics and Theoretical Physics and works closely with his graduate students and postdocs. He is regularly invited to lecture at local and international meetings and has a proven track record in fund raising and in the management of large research grants. In 2003 he secured a bid to host the National Astrophysics and Space Science Programme (NASSP) at the University of Cape Town and served as director of this pro-

gramme until July 2013. Over the past eleven years NASSP has made a major contribution to human resource development in Astronomy and the Space Science in Southern Africa. Together with Renee Kraan-Korteweg, he co-founded the Astrophysics, Cosmology and Gravity Centre (ACGC) at UCT. With a membership of more than 80 staff, postgraduate students and postdocs, this centre is one of the largest research units of its kind in the Southern Hemisphere. In 2006 he was awarded the British Association (silver) medal from South African Association for the Advancement of Science and the National Science and Technology Forum (NSTF) award for Human Capacity Development in 2016.

Scientific Career

- Professor and Head of the Department of Mathematics and Applied Mathematics 2017-.
- Professor in the Department of Mathematics and Applied Mathematics and Director of the Astrophysics, Cosmology and Gravity Centre 2007-2016.
- Programme Director of the National Astrophysics and Space Science Programme 2003-2013.
- Associate Professor in Applied Mathematics, University of Cape Town 2003-2006.
- Senior Lecturer in Applied Mathematics, University of Cape Town 2001-2002.
- Lecturer in Applied Mathematics, University of Cape Town 1998-2000.
- Temporary Lecturer in Applied Mathematics, University of Cape Town 1997.
- Postdoctoral Fellow at Dalhousie University, Halifax, Canada 1996.
- Postdoctoral Fellow at the University of Cape Town 1993- 1995.
- PhD from Queen Mary University of London under the supervision of Professor Malcolm MacCallum FRAS, 1992.

Honours and Awards

- Awarded S2A3 British Association Medal (Silver) in 2006.
- Awarded the National Science and Technology Forum (NSTF) award for Human Capacity Development in 2016.
- Honorary Research Fellow at the *South African Astronomical Observatory*.
- Honorary Academic Member in the Department of Astronomy, University of Cape Town.
- President of the South African Gravity Society (2014).
- B3 rating from the National Research Foundation (SA).
- Awarded research grants for research and capacity development valued at more than R41 M since 2000.

Publications

- Author of more than 100 papers in leading international journals, h index of 33 (24 in past 5 years). More than 3000 citations. See <https://scholar.google.co.za/citations?user=t4T3JosAAAAJ&hl=en> for details.

Postgraduate supervision

- Graduated 13 MSc (7 with distinction) and 10 PhD students since 2000.
See http://peterdunsby.net/Peter_Dunsby/Previous_Students.html for details.

Other activities

- Editor, International Journal of Modern Physics.
See <http://www.worldscientific.com/page/ijmpd/editorial-board> for details
 - Apple Professional Development (APD) consultant.
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