

The Manchester Microlensing Conference: the 12th International Conference and ANGLES Microlensing Workshop

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The 12th International Conference and ANGLES Microlensing Workshop,
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Preface

The Manchester Microlensing Conference (M2C) was held at the Jodrell Bank Centre for Astrophysics at the University of Manchester in the UK from 21st-25th January 2008.

M2C comprised two elements: the ANGLES Microlensing Workshop and the 12th International Conference on gravitational microlensing. M2C began with the two-day Workshop, providing interactive Master Classes to around 60 researchers on selected hot topics in microlensing. The Master Classes were delivered by world-leading experts on each of the topics. The topics reflected the diverse techniques and applications of microlensing, such as crowded-field photometry, modelling of extra-solar planetary systems, and the use of microlensing in cosmology.

The 12th International Conference on microlensing followed immediately after the Workshop and was attended by around 90 researchers. The Conference covered all aspects of current research in microlensing, including: Microlensing towards the Magellanic Clouds; Cosmological Microlensing; Stellar and Galactic Microlensing; Galactic Microlensing Surveys; Follow-up Programmes and Planetary Microlensing; M31 Microlensing; and Future Directions.

The M2C Proceedings serve three functions. Through the expert master classes the M2C Proceedings provide a great starting point for those who wish to enter the field or who just wish to learn more about microlensing at a depth beyond that usually covered by a single review article. The M2C proceedings also provide a snapshot of the state-of-the art in microlensing observations and theory as of January 2008, in what is a rapidly developing field. Lastly, the M2C meeting and its Proceedings are dedicated to the memory of the late Bohdan Paczyński, a towering figure and founding father of modern day microlensing research.

The Local Organizing Committee would like to thank several people for helping to ensure that the Workshop and Conference ran smoothly: Bob Dickson, Anthony Holloway and Chris Paul for flawless computing and AccessGrid support; Lisa McDermott for her tireless administrative support; Szymon Kozłowski for a wonderful poster design; and Edward Boyce, Dandan Xu, and Sarah Bryan for their invaluable assistance throughout the meeting. We would like to pay special thanks to Prof. Ian Browne for all of his help, advice and support. Finally, we are very grateful for the substantial financial support provided by the Astrophysics Network for Galaxy Lensing Studies (ANGLES), a European Union Sixth Framework research and training network.

7th February 2008

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Figure 1: The ANGLAS Workshop on microlensing. (*Left*) A master class partly delivered via a live video link through the University AccessGrid network. (*Right*) Workshop participants putting theory into practice by running a cosmological microlensing simulation (Photos: A. Holloway, L. Wyrzykowski).



Figure 2: M2C meeting participants enjoy a tea break in the atrium of the Alan Turing Building at the University of Manchester (Photo: A. Holloway).

List of Participants

Timo Anguita	ARI / ZAH
Jin An	NBIA, Copenhagen
Hideki Asada	Hirosaki University, Japan
Nicholas Bate	The University of Melbourne
Virginie Batista	Institut d'Astrophysique de Paris
Jean-Philippe Beaulieu	Institut d'Astrophysique de Paris
Vasily Belokurov	Institute of Astronomy
David Bennett	University of Notre Dame
Alexander Bergier	Columbia University
James Binney	Oxford University
Ian Bond	Institute for Information and Mathematical Sciences
Valerio Bozza	University of Salerno
Sebastiano Calchi Novati	Physics Department - University of Salerno
Arnaud Cassan	ARI, Heidelberg University
Sun-ju Chung	Chungbuk National Univ.
Matt Darnley	Liverpool John Moores University
Martin Dominik	SUPA, University of St Andrews
Jadzia Donatowicz	Technical Univeristy of Vienna, Austria
Subo Dong	The Ohio State University
Jonathan Duke	ARI (Liverpool John Moores Uni.) and ARI (Heidelberg)
Alexander Eigenbrod	Ecole Polytechnique Federale de Lausanne
Eva Eulaers	Universite de Liege
Wyn Evans	Cambridge University
Janine Fohlmeister	ARI Heidelberg
Pascal Fouque	Observatoire Midi-Pyrenees
Cesar Fuentes	Harvard University
Arti Garg	Harvard University
Scott Gaudi	Ohio State University
Andrew Gould	Ohio State University
Cheongho Han	Chungbuk National University
Frederic Hessman	Inst. f. Astrophysik, Univ. Goettingen
David Heyrovsky	Institute of Theoretical Physics
Tobias Cornelius Hinse	Armagh Observatory
Shan Hongguang	Yunnan Observatory, CAS
Keith Horne	SUPA St.Andrews
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Richard Ignace	East Tennessee State University
Christophe Jean	Universidad de Valencia
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Shude Mao	Jodrell Bank Centre for Astrophysics

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Marc Moniez	CNRS
Yasushi Muraki	Konan University
Petri Mutka	University of Oulu
Maiko Nagaya	Nagoya University
Seyed-Abouzar Najafi-Shoushatri	IPM, School of Astronomy and Astrophysics
Andrew Newsam	Astrophysics Research Institute
Justin Nieusma	The College of New Jersey
Byeong-Gon Park	Korea Astronomy and Space Science Institute
Ondrej Pejcha	Institute of Theoretical Physics
Sohrab Rahvar	Sharif Univ. of Tech.
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Davide Ricci	AEOS - University of Liege
James Rich	Saclay
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Gaetano Scarpetta	Universit'a di Salerno
Robert Schmidt	University of Heidelberg
Jan Skowron	Warsaw University Observatory
Dominique Sluse	Ecole Polytechnique Federale de Lausanne (EPFL)
Martin Smith	University of Cambridge
Colin Snodgrass	European Southern Observatory
Denis Sullivan	Victoria University of Wellington, NZ
Takahiro Sumi	Nagoya University
Maciej Sznajder	Institute of Astronomy, University of Zielona Gora
Jonathan Thornburg	University of Southampton
Yiannis Tsapras	LCOGT
Oleg Tsupko	Space Research Institute of Russian Academy of Science
Andrzej Udalski	Warsaw University Observatory
Filomena Volino	Argelander-Institut fuer Astronomie
Joachim Wambsgans	Heidelberg University (Zentrum fuer Astronomie)
Thulsi Wickramasinghe	The College of New Jersey
Przemek Wozniak	Los Alamos National Laboratory
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