

## OTHER NEWS FROM ING

### ING Papers for SPIE's Astronomical Telescopes & Instrumentation Conference

Isaac Newton Group staff from both the astronomy and engineering groups had several papers accepted by SPIE (The International Society for Optical Engineering) for their conference 'Astronomical Telescopes and Instrumentation – The Industrial Revolution in Astronomy' held from 21 to 25 June 2004, at the Scottish Exhibition and Convention Centre in Glasgow. The range of topics reflected the range of development interests at ING, many of the papers being about various aspects of adaptive optics. The full list of papers featuring ING staff is below, all but one of them having ING staff as principal author. At the conference Chris Benn and Simon Tulloch gave oral presentations, while the remaining papers were poster presentations.

Papers given as oral presentations:

- "NAOMI: adaptive optics at the WHT".  
C. R. Benn, S. Els, S. Goodsell, T. Gregory, A. Longmore<sup>1</sup>, R. M. Myers<sup>2</sup>, R. Østensen, I. Söchtig<sup>4</sup>, G. Talbot.
- "The application of L3 technology to wavefront sensing".  
(<http://www.ing.iac.es/~smt/>)  
S. M. Tulloch.

Papers given as poster presentations:

- "Advances in telescope mirror cleaning".  
(<http://www.ing.iac.es/~mfb/ing/ing.htm>)  
M. F. Blanken, A. K. Chopping, K. M. Dee.
- "An improved mechanism control system for INGRID".  
(<http://www.ing.iac.es/~sgr/poster.pdf>)  
S. G. Rees, P. Jolley, M. van der Hoeven, A. W. Ridings, M. F. Blanken.
- "GRACE: a controlled environment for adaptive optics at the William Herschel Telescope".  
(<http://www.ing.iac.es/~rgt/poster.html>)  
G. Talbot, D. C. Abrams, C. Benn, A. Chopping, K. Dee, S. Els, M. Fisher<sup>3</sup>, S. Goodsell, D. Gray, P. Jolley.
- "Modelling the system performance and the final image PSF".  
I. K. Söchtig<sup>4</sup>, R. M. Myers<sup>2</sup>, C. R. Benn, A. J. Longmore<sup>1</sup>, R. Wilson<sup>2</sup>, S. Els, S. Goodsell, T. Gregory, R. Østensen, G. Talbot.
- "Photon counting and fast photometry with L3 CCDs".  
(<http://www.ing.iac.es/~smt/>)  
S. M. Tulloch.
- "Recent enhancements to the NAOMI AO system".  
(<http://www.ing.iac.es/~jolley/SPIE.html>)  
P. D. Jolley, S. Goodsell, C. Benn, T. Gregory, S. G. Rees, M. van der Hoeven, M. F. Blanken, R. Pit, C. Bevil.
- "The real time control system of NAOMI".  
S. J. Goodsell, R. M. Myers<sup>2</sup>, D. Buschell<sup>7</sup>.
- "WHT auto-guider/TV upgrades".  
(<http://www.ing.iac.es/~smt/>)  
A. W. Ridings, S. M. Tulloch, R. A. Bassom.

Papers given as poster presentations with ING co-authors:

- "AO-assisted integral field spectroscopy with OASIS".  
R. McDermid<sup>5</sup>, R. Bacon<sup>6</sup>, G. Adam<sup>6</sup>, C. Benn.

1: UK Astronomy Technology Centre; 2: University of Durham; 3: Fisher Astronomical Systems Engineering; 4: ING and University of Oxford; 5: Leiden Observatory; 6: Observatoire de Lyon; 7: University of Cambridge. □

Gordon Talbot ([rgt@ing.iac.es](mailto:rgt@ing.iac.es))

### Seminars Given at ING

Visiting observers are politely invited to give a seminar at ING. Talks usually take place in the sea level office in the afternoon and last for about 30 minutes plus time for questions afterwards. Astronomers from ING and other institutions on site are invited to assist. Please contact Danny Lennon at [djl@ing.iac.es](mailto:djl@ing.iac.es) and visit this URL: <http://www.ing.iac.es/Astronomy/science/seminars.html>, for more details. These were the seminars given in the last 10 months:

Dec 3. Arto Järvinen (NOT), "CCD Ron Suppression Technique for Echelle Spectroscopy".

Feb 3. Dr Dehua Yang (Nanjing Institute of Astronomical Optics and Technology), "LAMOST Telescope and Instrumentation: Concept, Technologies and progress".

Feb 20. Hugo E. Schwarz (CTIO-NOAO-AURA), "Circumstellar Matter in PNe and Other Evolved Stars".

Mar 4. Silvano Desidera (Padova Observatory), "Search for extrasolar planets with SARG".

Mar 12. Laura Magrini (Dipartimento di Astronomia e Scienza dello Spazio, University of Firenze), "Planetary Nebulae in the Local Group".

Apr 6. Amir Ahmad (Armagh Observatory), "Helium-rich subdwarf B stars: binaries, mergers or bizarre?".

Apr 7. Don Pollacco (QUB), "SuperWASP: The Super Wide Angle Search for Planets".

Apr 15. Rene Duffard (Observatorio Nacional de Rio, Brasil), "Basaltic Asteroids".

Apr 21. Aaron Romanowsky (University of Nottingham), "Observing Galaxy Haloes".

Jul 2. Phil Charles (University of Southampton), "SALT: 6 months to go!".

Jul 7. Suzanne Aigrain (IoA, Cambridge), "Planetary transits and stellar variability".

Jul 30. P. Focardi (Dipartimento di Astronomia, Università di Bologna), "What's the role of environment on galaxies?".