

IAU Symposium 221 Conference Program
Tumbalong Auditorium, Sydney Convention Centre, July 22–25, 2003

The complete program of oral presentations delivered at IAU Symposium 221 *Star Formation at High Angular Resolution* is given below, including additional events outside the conference sessions. Session titles, together with their chair(s) are listed, followed by the title of each talk in the session, and its presenter. The codes referring to the different categories of talks are described at the end of the program. Abstracts for all talks can be found on the Symposium website, <http://www.phys.unsw.edu.au/iau221>.

22 July	Session 1	Michael Burton
Star Formation		
	Theories of Star Formation	P
	<i>Frank Shu</i>	
	Observations of Star Formation	P
	<i>Elizabeth Lada and Joao Alves</i>	
22 July	Sessions 2–3	Tyler Bourke & Mark Wardle
From Molecular Clouds to Protostellar Cores		
	Techniques of mm and sub-mm Interferometry in Star Formation	T
	<i>Anneila Sargent</i>	
	From Molecular Clouds to Protostellar Cores	MR
	<i>Masao Saito</i>	
	Structure of Cold Cores	SR
	<i>Derek Ward-Thompson</i>	
	Cloud Formation and Control of Star Formation Efficiency	C
	<i>Enrique Vazquez-Semadeni</i>	
	Hot Molecular Cores	SR
	<i>Floris van der Tak</i>	
	Chemical Signatures of the Evolutionary State of Cores	SR
	<i>Yuri Aikawa</i>	
	Infall in Protostellar Envelopes	SR
	<i>Nagayoshi Ohashi</i>	
	Magnetic Fields in Star Formation	SR
	<i>Tyler Bourke and Alyssa Goodman</i>	
	Is the Magnetic Field Preserved During Core Fragmentation?	C
	<i>Brenda Matthews</i>	

22 July	Session 4	Catherine Cesarsky
Extra-Galactic Star Formation		
Extra-Galactic Star Formation Revealed		MR
<i>Eva Schinnerer</i>		
Molecular Gas and Star Formation in Nearby Galaxies		SR
<i>Tony Wong</i>		
High Resolution X-Ray Studies of Star Formation in Galaxies		C
<i>Martin Ward</i>		
Watching the Formation of Super Star Clusters		C
<i>Jean Turner</i>		
22 July	Invited Discourse	
From Molecules to Planets: Milky Way Dreaming		ID
<i>Ewine van Dishoeck</i>		
23 July	Sessions 5–6	Thomas Henning & Diego Mardones
Massive Star Formation		
Masers — High Resolution Probes of Massive Star Formation		SR
<i>Simon Ellingsen</i>		
The Formation of Massive Stars via Accretion		MR
<i>Harold Yorke</i>		
The Most Detailed Picture Yet of an Embedded High Mass YSO		C
<i>Lincoln Greenhill</i>		
Intermediate Mass Star Formation		SR
<i>Leonardo Testi</i>		
Massive Star Formation at High Resolution		MR
<i>Gudio Garay</i>		
The Embedded Population in HMPO Cores		SR
<i>James De Buizer</i>		
Interferometry of Massive Star Forming		SR
<i>Henrik Beuther</i>		
Observing Massive Star Formation — the story of G5.89-0.39		SR
<i>Markus Feldt</i>		

23 July Sessions 7–8 Luis Rodriguez & Katsuji Koyama

Low Mass Star Formation

- Testing the Paradigm for Low Mass Star Formation MR
Lee Hartmann
- Observations of Binary Protostellar Systems SR
Ralf Launhardt
- Infrared Studies of Protostellar Binaries SR
Thomas Greene
- T Tauri Multiple Systems SR
Alexis Brandeker
- The Variation of the IMF in Clusters SR
Kevin Luhman
- Star-Forming Regions: X-Ray Microscopy T
Thierry Montmerle
- X-Rays From Class 0/I Sources SR
Yohko Tsuboi
- Theory of Young Clusters SR
Matthew Bate
- Kinematics of Protoclusters SR
James Di Francesco

23 July Harlequin Inn, Pyrmont Compere Fred Watson

Science in the Pub

- What is a Planet?!
Gibor Basri, Chris Tinney, Penny Sackett & Pat Roche

24 July Session 9 Anneila Sargent

First Results from New Facilities

- First Results from the ATCA at Millimetre Wavelengths R
Vincent Minier
- Early Results from the SMA R
Qizhou Zhang
- The Very Large Telescope Interferometer R
Christoph Leinart
- Studying Star Formation with the Keck Interferometer R
Rachel Akeson
- Adaptive Optics Imaging of Circumstellar Disks C
Daniel Apai
- Subaru AO Coronagraphic and Direct Imaging of YSOs C
Motohide Tamura

24 July	Session 10	Tom Ray
Jets and Outflows		
Adaptive Optics in SF		T
<i>Wolfgang Brandner</i>		
High Resolution Observations of Herbig-Haro Jets		MR
<i>Bo Reipurth</i>		
Outflow-Circumstellar Envelope Interactions in Protostars		C
<i>Hector Arce</i>		
Modelling of Jets and Outflows from YSOs		SR
<i>Hsien Shang</i>		
24 July		
IAU General Assembly and Closing Assembly		
Including Schools' Day at the IAU and the IAU GA Banquet		
25 July	Sessions 11-12	Tony Wong & Ray Jayawardhana
Disks		
The Transition from Collapsing Envelope to Rotating Disk		MR
<i>Geoff Blake and Michiel Hogerheijde</i>		
High Angular Resolution IR Imaging of Young Stellar Disks		SR
<i>Deborah Padgett</i>		
High Angular Resolution Studies of Disks — the Millimetre		SR
<i>David Wilner</i>		
Herbig AE/BE Star Disks at High Angular Resolution		C
<i>Cornelis Dullemond</i>		
Early Disk Evolution		SR
<i>Mark Wardle</i>		
Models of Accretion Disks around Young Stars		SR
<i>Paola D'Alessio</i>		
Observations of the Chemistry in Disks		SR
<i>Anne Dutrey</i>		
Probing AU Structure Using Spectro-Astrometry		C
<i>Michihiro Takami</i>		
A High Resolution Search for Disks around Massive YSOs		C
<i>Melvin Hoare</i>		

25 July	Session 13	Anne Marie-Lagrange
The Influence of Planets During Star Formation		
Optical/IR Interferometry: Star Formation at sub-AU Scales		T
<i>Peter Tuthill</i>		
Detecting Planets within Disks		SR
<i>Sebastian Wolf</i>		
Coronagraphic Observations of Optically Thin Debris Disks		C
<i>Mark Clampin</i>		
25 July	Session 14	Michael Burton
The Future of Star Formation at High Angular Resolution		
Disk and Planet Imaging with Nulling Interferometry		T
<i>Marc Kuchner</i>		
Star Formation with Future Millimetre and Radio Interferometers . . .		T
<i>Lewis Knee</i>		
Star Formation with Future Optical and Infrared Telescopes		T
<i>Lynne Hillenbrand</i>		
Star Formation at High Angular Resolution: Summary and Outlook . .		P
<i>Hans Zinnecker</i>		

Table 1. Categories of Talks

Code	Type of Presentation
ID	Invited Discourse (by IAU Executive)
P	Plenary Presentation
T	Presentation with special emphasis on Techniques
MR	Major Review
SR	Short Review
R	Results from New Facilities
C	Contributed