



Ten years of VLTI: from first fringes to core science
ESO, Garching b. München (Germany), 24 – 27 October 2011

PROGRAMME

(as at 19-Oct-2011)

[Workshop bus leaves from Garching at 09:35]

MONDAY, 24 October

09:50	Registration	
10:50	Welcome and organizational issues	J. Melnick
The history of VLTI		
	Chair: R. Gilmozzi	
11:00	The genesis of the VLTI	P. Léna
11:30	The true history of the VLTI	O. von der Lühe
Interferometry in the USA		
12:00	History of interferometry in the US and recent developments	W. Traub
12:30-13:30	Lunch Break	
Science Highlights: Star and Planet Formation		
	Chair: M. Perez	
13:30	Disks around young stars: Invited Review	A. Isella
14:00	The disks inner regions: Interferometry review talk	R. Akeson
14:20	Formation of planetary systems: perspectives and challenges for interferometry	W. Benz
14:40	Dust evolution in disks: the impact of mid-infrared interferometry	B. Acke
15:00	Spectro-interferometry of disks and winds with VLTI	F. Millour
15:20-18:00	Contributed talks:	
15:20	Unveiling the structure of pre-transitional disk	M. Benisty
15:40	VLTI/AMBER spectro-interferometry of the young Herbig Be star MWC 297 with a spectral resolution of 12000: studies of its disk and disk wind	G. Weigelt
16:00	The size of AB Dor A from VLTI/AMBER interferometry	J.-C. Guirado
16:20-16:40	Coffee Break	
16:40	First Results from the PIONIER survey of Southern T Tauri Stars	F. Menard
17:00	Structure and variability of the planet-forming regions in the disc around HD100546 revealed using VLTI/MIDI	O. Panić
17:20	MIDI's view of Massive Young Stellar Objects	W.-J. de Wit
17:40	MIDI's View of Discs around Low-Mass Young Stellar Objects and their Companions	T. Ratzka
18:00	End of first day	
18:10-19:30	Welcome Reception at ESO	

[Workshop bus leaves for Garching at 19:30]

“WHERE IS WHAT”:	
TALKS: Auditorium	
POSTERS: Council Room	PC's: Council Room
COFFEE: Council Room	Welcome Reception: Council Room

TUESDAY, 25 October

Star and Planet Formation		
<u>09:00-09:40</u>	Contributed talks:	
09:00	Detecting faint companions with PIONIER	O. Absil
09:20	Star-disk interplay in the resolved emission of Herbig-Haro object: the case of MWC158 observed with the VLTI	F. Malbet
Science Highlights: Stellar Astrophysics		
	Chair: C. Hummel	
09:40	Fundamental parameters of stellar physics: Invited Review	J. Aufdenberg
10:10	Constraints from Interferometry	P. Kervella
10:30-10:50	Coffee Break	
<u>10:50-12:50</u>	Contributed talks:	
10:50	10 years of interferometric observations of Cepheids	A. Mérand
11:10	Imaging stellar surfaces with VLTI and 3D radiative hydrodynamics simulations	A. Chiavassa
11:30	1-D imaging of the dynamical, inhomogeneous atmosphere of the red supergiant Betelgeuse in the CO first overtone lines with VLTI/AMBER	K. Ohnaka
11:50	Resolving the wind of the most massive stars in the Galaxy with VLTI/AMBER	J. Groh
12:10	The multiplicity of young OB stars revealed by interferometry	T. Preibisch
12:30	Zooming in on circumstellar matter around B stars with the AMBER highresolution mode	S. Stefl
12:50-14:00	Lunch Break	
<u>14:00-15:00</u>	Contributed talks:	
14:00	Angular diameter of rotating stars from differential phases	A. Domiciano de Souza
14:20	The interferometric signature of the rapidly corotating magnetosphere of HR5907	T. Rivinius
14:40	VLTI/AMBER observations of the binary B[e] supergiant HD 327083	H. Wheelwright
Science Highlights: Evolved Stars		
	Chair: I. Percheron	
15:00	Evolved Stars: Invited talk	O. Chesneau
<u>15:20-17:20</u>	Contributed talks:	
15:20	The evolved massive star IRC+ 10420 with VLTI/AMBER: multi-epoch, multi-baselines and FINITO	R. Oudmaijer
15:40	VLTI/AMBER observations of Mira-variable AGB stars	M. Wittkowski
16:00-16:20	Coffee Break	
16:20	Interferometric monitoring of Evolved Stars	I. Karovikova
16:40	An incisive look at the symbiotic star SS Leporis - Milli-arcsecond imaging with PIONIER	N. Blind
17:00	Investigating the geometry and physics of evolved giant stars: TX Psc and other beasts	A. Richichi
Science Highlights: Asteroids		
	Chair: J. Melnick	
17:20	Interferometric observations of asteroids: Invited talk	M. Delbo
<u>17:40-18:00</u>	Contributed talks:	
17:40	Determination of physical properties of Main-belt asteroids using infrared Interferometry	A. Matter
18:00	End of second day	

[Workshop bus leaves from Garching at 08:25]

WEDNESDAY, 26 October

08:40-09:20	Poster pops - summary of posters	F. Malbet
Science Highlights: AGN		
	<u>Chair:</u> J. Melnick	
09:20	The Structure of Active Nuclei on Scales from 100mas to 100microarcsec: Review talk	M. Elvis
09:50	Interferometry review: Invited talk	M. Kishimoto
<u>10:10-11:10</u>	<u>AGN contributed talks:</u>	
10:10	The complexity of parsec-scaled dusty tori in AGN	K. Tristram
10:30	The MIDI AGN Large Programme: A statistical sample of resolved AGN tori	L. Burtscher
10:50	VLTI/AMBER blind mode observations of the QSO 3C273's Broad Line Region	R. Petrov
11:10-12:00	Coffee Break & Poster Session Poster viewing until Lunch	
12:00-13:20	Lunch Break & Poster Viewing	
The next generation of instruments on the VLTI		
	<u>Chair:</u> M. Schöller	
13:20	Setting the scene: the VLTI in 2016	F. Delplancke
13:30	Scientific results from PIONIER	B. Lazareff
13:55	First results from PRIMA Astrometry	D. Segransan
14:15	Gravity	F. Eisenhauer
14:35	MATISSE	B. Lopez
<u>14:55-16:35</u>	<u>Contributed talks:</u>	
14:55	Recent results from VEGA/CHARA and prospects for visible interferometry at VLTI	D. Mourard
15:15	(Multi-waveband) phase-referencing: first science and technical progress	J-U. Pott
15:35	Discrete Beam Combiners: exploring the potential of 3D photonics for interferometry	S. Minardi
15:55	Bias correction for high precision science	D. Buscher
16:15	VINCI: The first interferometric instrument at the VLTI, its success story, and technical lessons learned	J. Meisner
16:35-17:00	Coffee Break	
	<u>Chair:</u> F. Delplancke	
17:00	High angular resolution science with ALMA	L. Testi
17:20	High angular resolution science with E-ELT	M. Kissler-Patig
17:40	Science with interferometers in the era of ALMA, ELTs and space missions	J. Monnier
18:00	End of third day	
<i>[Workshop bus leaves for Garching at 18:15]</i>		
19:30	Conference Dinner	

[Workshop bus leaves from Garching at 08:45]

THURSDAY, 27 October

Panel discussion on the future of interferometers in the era of ALMA, ELTs and the space missions		
09:00	Introductory remarks	G. Perrin
09:20	Panel Discussion moderated by A. Glindemann	
10:40-11:00	Coffee Break	
Panel discussion on the challenges of interferometers as common user facilities		
11:00	Introductory remarks	A. Quirrenbach
11:15	Short presentations: Chara, MRO, Keck, VLTI, JMMC, FRINGE, NEVEC, International Schools (2 min. each by panel members) Panel discussion moderated by A. Quirrenbach	
12:30	End of meeting	
14:00	Tutorials for students on how to write VLTI proposals and how to reduce data	

[NO Workshop Bus]