Physics of Evolved Stars 2015

A Conference Dedicated to the Memory of Olivier Chesneau

Monday June 8

Session 1: Remembering Olivier *Chairperson: Thierry Lanz*

14h00: ***Farrokh Vakili***	Welcome
14h15: ***Florentin Millour & Eric Lagadec***	Olivier's scientific work (massive & low-mass stars)

Session 2: Winds, mass loss, jets *Chairpersons: Nye Evans & Pierre Kervella*

15h15: ***Anthony Moffat***	Colliding winds among massive stars
15h40: ***Kenji Hamaguchi***	The nature and origin of the central constant emission component of Eta Car
16h05: ***Shazrene Mohamed***	3D models of stellar wind interaction symbiotics
16h30: ***José Groh***	Probing mass loss at the end stages of massive star evolution
16h55: ***Robin Lombaert***	The problematically short superwind of OH/IR stars

- 17h30: Welcoming Cocktail (wine & cheese)

Tuesday June 9

Session 2: Winds, mass loss, jets *Chairpersons: Nye Evans & Pierre Kervella*

8h45: ***Cyril Georgy***	Mass loss of red supergiants: a key ingredient for the final evolution of massive stars
9h10: ***Mikako Matsuura***	CO mass-loss rate of red-supergiants at low metallicity
9h35: ***Nicolas Fabas***	Hydrogen lines in Mira stars through interferometry and polarimetry
10h00: ***Noam Soker***	The role of jets: from common envelope to nebula
10h25: Coffee Break	
10h50: ***Leen Decin***	ALMA data suggest the presence of spiral structure in the inner wind of CW Leo
11h15: ***Olga Suarez***	The first water fountain in a planetary nebula with synchrotron emission
11h40: ***Eamonn Harvey***	GK Per, morpho-kinematical observations and modeling
12h05: **Discussion (session 2)**	
12h30: Lunch	

Session 3: Binaries *Chairpersons: Orsola De Marco & Denis Mourard*

14h00: ***Jennifer Hoffman***	Mass Flows in Massive Binaries and their Evolutionary Implications
14h25: ***David Jones***	Planetary nebulae: What can they tell us about binary evolution?
14h50: ***Brent Miszalski***	New insights from close binary central stars of planetary nebulae
15h15: Coffee Break	
15h40: ***Valerio Ribeiro***	Using VLTI for measuring accurate nova distances
16h05: ***Robert Gehrz***	Observations of Novae in the Infrared in the SOFIA Era

- 17h30: ***Agnès Acker*** Conférence publique (Bibliothèque Nucéra, *in French*)
- 20h00: Concert/Jam session in the bar "The Ketje"

Wednesday June 10

Session 3: Binaries *Chairpersons: Orsola De Marco & Anthony Moffat*

8h45: ***Jana Nemravová***	Yet another spectro-interferometric study of the gas distribution in the enigmatic semi-detached binary β Lyrae
9h10: ***Anatoly Miroshnichenko***	FS CMa type binaries
9h35: ***Augustin Skopal***	Evolved stars as donors in symbiotic binaries

10h00: Coffee Break

10h30: ***Joanna Mikolajewska***	Symbiotic stars in the Local Group of Galaxies
10h55: ***Hans Van Winckel***	6 years of high-resolution spectroscopic monitoring of evolved binaries with HERMES: lessons learned
11h20: ***Devika Kamath***	Newly discovered, dusty, evolved, low-luminosity post-RGB stars in the Magellanic Clouds

11h45: **Discussion (session 3)**

12h15: Lunch

Session 4: Disks *Chairpersons: Jean-Philippe Berger & Anthony Moffat*

13h30: ***Martin Groenewegen***	Mass-loss and luminosities of AGB stars in the Magellanic Clouds
13h55: ***Joris Vos***	Modelling eccentric long period hot subdwarf binaries with circumbinary disks
14h20: ***Pierre Kervella***	The nearby AGB star L2 Pup: the birth of a bipolar planetary nebula?
14h45: ***Foteini Lykou***	Unraveling disks around AGB stars
15h10: ***Michel Hillen***	An N-band interferometric survey of the disks around post-AGB binary stars
15h35: ***Markus Wittkowski***	The surfaces of evolved stars and the importance of molecular layers

16h00: **Discussion (session 4)**

16h30: Coffee Break & Poster session

❖ **19h00: Official reception, Chesneau Prize ceremony at Villa Massena**

Thursday June 11

Session 5: Circumstellar Environments *Chairpersons: F. Vakili & F. Millour*

8h45: ***Miguel Montargès***	The convection of close red supergiant stars observed with near-infrared interferometry
9h10: ***Nathan Smith***	Eta Carinae and the pre-supernova circumstellar material around massive stars
9h35: ***Claudia Agliozzo***	Exploring the mass-loss history and the dust content in circumstellar nebulae around LBV stars

10h00: Coffee Break & Poster session

11h00: Chesneau Prize Lecture

Julien Milli	High-contrast imaging of debris disks

12h00: Lunch

13h30: ***Nye Evans***	The circumstellar dust shells of Sakurai's Object and other "Born-Again" stars
13h55: ***David Gobrecht***	From nuclei to dust grains: How the AGB machinery works

14h20: **Discussion (session 5)**

14h50: Coffee Break

Session 6: Modeling, Evolution *Chairpersons: C. Leinert, E. Lagadec, & T. Lanz*

15h20: ***Andrea Chiavassa***	Pathways for observing stellar surfaces using 3D hydrodynamical simulations of evolved stars
15h45: ***Ehsan Moravveji***	Lessons from Asteroseismology of B-type Dwarfs
16h10: ***Lizette Guzman***	Double chemistry in Planetary Nebulae

- Social evening at the Observatory

Friday June 12

Session 6: Modeling, Evolution *Chairpersons: C. Leinert, E. Lagadec, & T. Lanz*

8h45: ***Tomislav Jurkic***	Circumstellar dust in symbiotic novae
9h10: ***Zeinab Khorrami***	The massive stars nursery R136
9h35: ***Sophie Van Eck***	New clues on evolved stars nucleosynthesis
10h00: ***Sun Kwok***	Synthesis of Complex Organics in the Late Stages of Stellar Evolution

10h25: **Discussion (session 6)**

10h50: Coffee Break

Session 7: Conference Summary *Chairperson: Denis Mourard*

11h15: ***Orsola De Marco***	Conference Summary

11h45: **General discussion**

Lunch

– CONFERENCE ENDS –