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

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