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## Conference Program

### Monday, July 7

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08.00-13.00	Registration
09.00-09.15	Welcoming address, <b>K. Tsinganos</b>

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#### Session 0 : Introductory reviews

09.15-09.55	<b>IR</b>	<b>M. Livio:</b> <i>Jets in Astrophysics</i>
09.55-10.35	<b>IR</b>	<b>J. Bally:</b> <i>Protostellar Jets</i>

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10.35-11.20	Coffee Break
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#### Session I : The star/jet/disk system

11.20-11.55	<b>IR</b>	<b>L. Hartmann:</b> <i>The star-jet-disk system and angular momentum transfer</i>
11.55-12.30	<b>IR</b>	<b>C. Johns-Krull:</b> <i>Hot inner winds from T Tauri stars</i>
12.30-12.50	<b>CT</b>	<b>A. Gomez de Castro:</b> <i>Hot gas in accretion disks and jets: a UV view of star formation</i>
12.50-13.10	<b>CT</b>	<b>S. G. Gregory:</b> <i>The magnetic fields of accreting T Tauri stars</i>
13.10-13.30	<b>CT</b>	<b>S. Mohanty:</b> <i>Magnetospheric Accretion with Multipole Stellar Fields: Theory and Observations</i>

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13.30-16.30	Lunch break
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16.30-17.05	<b>IR</b>	<b>J. Stone:</b> <i>Hydrodynamic and MHD Instabilities in Accretion Disks</i>
17.05-17.40	<b>IR</b>	<b>A. Koenigl:</b> <i>Theory of Wind-Driving Protostellar Disks</i>

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17.40-18.20	Coffee Break and Poster Session
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18.20-18.40	<b>CT</b>	<b>A. Mignone:</b> <i>Aspect ratio dependence in MRI shearing box simulations</i>
18.40-19.00	<b>CT</b>	<b>R. Lovelace:</b> <i>Advection of Magnetic Fields in Accretion Disks</i>
19.00-19.20	<b>CT</b>	<b>E. de Gouveia dal Pino:</b> <i>Magnetic reconnection processes in accretion disk systems</i>

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IR = Invited Review, CT = Contributed Talk

## Tuesday, July 8

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### Session II : Jet launching

09.00-09.35	<b>IR</b>	<b>J. Ferreira:</b> <i>Self-collimated jets: accretion disc and star-disc launching zones</i>
09.35-09.55	<b>CT</b>	<b>J. Staff:</b> <i>Large-scale 3D Simulations of Protostellar Jets: Constraining the Disk Wind Model</i>
09.55-10.15	<b>CT</b>	<b>G. Murphy:</b> <i>Viscous resistive magnetohydrodynamic disk simulations</i>
10.15-10.35	<b>CT</b>	<b>M. Stute:</b> <i>Extending analytical MHD jet formation models with a finite outer disk radius</i>
10.35-10.55	<b>CT</b>	<b>C. Fendt:</b> <i>MHD jets from different field configurations</i>
10.55-11.05	<b>CT</b>	<b>M. Cemeljic:</b> <i>Resistive MHD jet simulations</i>
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11.05-11.30		Coffee Break
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11.30-12.05	<b>IR</b>	<b>M. Cai:</b> <i>X-wind models</i>
12.05-12.40	<b>IR</b>	<b>M. Romanova:</b> <i>Disk-magnetosphere interaction and outflows</i>
12.40-13.00	<b>CT</b>	<b>C. Zanni:</b> <i>Simulating the launching of YSO jets</i>
13.00-13.20	<b>CT</b>	<b>C. Sauty:</b> <i>Can stellar jets brake efficiently T Tauri stars?</i>
13.20-13.40	<b>CT</b>	<b>F. Reale:</b> <i>Flaring activity in accretion flows of YSO</i>
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13.40-16.30		Lunch break
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16.30-17.05	<b>IR</b>	<b>R. Matsumoto:</b> <i>Similarities of the launching mechanism in protostellar/AGN jets</i>
17.05-17.40	<b>IR</b>	<b>S. Lebedev:</b> <i>Episodic Magnetic Tower Plasma Jets in a Laboratory Experiment</i>
17.40-18.00	<b>CT</b>	<b>N. Vlahakis:</b> <i>Jets in the MHD context</i>
18.00-18.20	<b>CT</b>	<b>N. Kylafis:</b> <i>Jets from stellar mass black holes</i>
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18.20-19.30		Coffee Break and Poster Session
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## Wednesday, July 9

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### Session III : Observational constraints on jet launching

09.00-09.35	<b>IR</b>	<b>B. Nisini:</b> <i>Jets from embedded YSOs</i>
09.35-09.55	<b>CT</b>	<b>S. Antonucci:</b> <i>Accretion luminosity and accretion-ejection rate connection in Class I sources</i>
09.55-10.30	<b>IR</b>	<b>F. Bacciotti:</b> <i>Resolved inner jets from T Tauri stars</i>
10.30-10.50	<b>CT</b>	<b>D. Coffey:</b> <i>Searching for jet rotation signatures in younger Class 0 and I jets - strengthening the observational support for magneto-centrifugal ejection</i>
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10.50-11.30	Coffee Break and Poster Session	
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11.30-12.05	<b>IR</b>	<b>S. Cabrit:</b> <i>Observational challenges to ejection models in YSOs</i>
12.05-12.25	<b>CT</b>	<b>E. Whelan:</b> <i>T Tauri-like Outflow Activity in the Brown Dwarf Mass Regime</i>
12.25-12.45	<b>CT</b>	<b>A. Caratti o Garatti:</b> <i>Protostellar jets driven by intermediate- and high-mass protostars: an evolutionary scenario?</i>
12.45-13.20	<b>IR</b>	<b>S. Massaglia:</b> <i>The properties of AGN jets in comparison with Herbig-Haro jets</i>

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Free afternoon, excursions

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## Thursday, July 10

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### Session IV : Jet propagation, stability, interaction with the environment, X-ray emission

09.00-09.35	<b>IR</b>	<b>E. Trussoni:</b> <i>The KH-Instability and the propagation of stellar jets</i>
09.35-10.10	<b>IR</b>	<b>A. Raga:</b> <i>Jets from variable sources</i>
10.10-10.30	<b>CT</b>	<b>L. Podio:</b> <i>Stellar jets tomography in velocity space</i>
10.30-10.50	<b>CT</b>	<b>F. De Colle:</b> <i>Diagnostics of inhomogeneous stellar jets</i>

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10.50-11.20	Coffee Break and Poster Session	
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11.20-11.55	<b>IR</b>	<b>P. Hartigan:</b> <i>Magnetic fields in Jets</i>
11.55-12.30	<b>IR</b>	<b>J. Eisloffel:</b> <i>Jet kinematics</i>
12.30-12.50	<b>CT</b>	<b>A. Ciardi:</b> <i>Bending the way of protostellar Jets</i>
12.50-13.10	<b>CT</b>	<b>J. Gracia:</b> <i>Synthetic jets from models to observations and back</i>

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13.10-16.00	Lunch break	
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16.00-16.20	<b>CT</b>	<b>M. Güdel:</b> <i>X-Ray Emission from Young Stellar Jets</i>
16.20-16.40	<b>CT</b>	<b>R. Bonito:</b> <i>The complex morphology of the X-ray and optical emission from HH 154: the pulsed jet scenario</i>
16.40-17.00	<b>CT</b>	<b>C. Stehle:</b> <i>Radiative shocks: a combined analysis from experiments and simulations (listed as Gonzalez et al.)</i>

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17.00-17.30	Coffee Break and Poster Session	
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17.30-18.05	<b>IR</b>	<b>J. Sokoloski:</b> <i>Jets from white dwarfs</i>
18.05-18.25	<b>CT</b>	<b>J. Kastner:</b> <i>X-ray Imaging Spectroscopy of Planetary Nebulae in the Era of Chandra and XMM-Newton: New Insight into Stellar Jets</i>
18.25-18.45	<b>CT</b>	<b>S. Orlando:</b> <i>3D modeling of the 2006 nova outburst of RS Ophiuchi: collimated outflows and jet-like ejections</i>
18.45-19.05	<b>IR</b>	<b>R. Bilyalov:</b> <i>“People” Programme: The Marie Curie Actions in FP7</i>

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20.00	Conference Dinner	
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## Friday, July 11

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### Session V : Molecular outflows and Turbulence injection by jets

09.00-09.35	<b>IR</b>	<b>R. Bachiller:</b> <i>Molecular outflows – observations</i>
09.35-10.10	<b>IR</b>	<b>T. Downes:</b> <i>Molecular outflows – modelling</i>
10.10-10.30	<b>CT</b>	<b>J. Schmid-Burgk:</b> <i>Rotation observed in the molecular outflow OriS6 and its bullets</i>
10.30-10.50	<b>CT</b>	<b>M. Machida:</b> <i>Protostellar Jet and Outflow in the Collapsing Cloud Core</i>

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10.50-11.40	Coffee Break	
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11.40-12.15	<b>IR</b>	<b>A. Frank:</b> <i>Jets and turbulence</i>
12.15-12.35	<b>CT</b>	<b>R. Banerjee:</b> <i>Can protostellar outflows drive turbulence in molecular clouds?</i>
12.35-13.10	<b>IR</b>	<b>J. Richer:</b> <i>Prospects for Outflow and Jet Science with ALMA</i>

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13.10-16.00	Lunch break	
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16.00-16.20	<b>CT</b>	<b>T. Lery:</b> <i>The International Year of Astronomy 2009. An opportunity for European Astrophysicists</i>
16.20-17.00	Summary of Posters	

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17.00-17.30	Coffee Break	
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17.30-18.00	Summary and Concluding Remarks, <b>T. Ray</b>	
18.00-18.40	<b>IR</b>	<b>J. Seiradakis:</b> <i>The Antikythera Mechanism: Astronomy and Technology in ancient Greece</i>

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## Saturday, July 12

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### Session VI: Jetset early stage researcher presentations

#### Open to all

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| 09.00-09.20 | CT | <b>T. Matsakos:</b> <i>Two-component jet simulations: Mixing analytical disk and stellar outflow solutions</i>             |
| 09.20-09.40 | CT | <b>O. Tesileanu:</b> <i>MHD Simulations of Radiative YSO Jets</i>  |
| 09.40-10.00 | CT | <b>J. O'Sullivan:</b> <i>Molecular Cooling Effects in Large scale Simulations of Herbig Haro Objects</i>                   |
| 10.00-10.20 | CT | <b>D. Panoglou:</b> <i>The survival of molecules in MHD disk winds</i>   |
| 10.20-10.40 | CT | <b>M. Bocchi:</b> <i>Kelvin-Helmholtz instability in magnetized jets</i>   |
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| 10.40-11.20 |    | Coffee Break and Poster Session  |
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| 11.20-11.40 | CT | <b>O. Dionatos:</b> <i>Jets from Class 0 protostars: A Spitzer - IRS view</i>  |
| 11.40-12.00 | CT | <b>V. Agra-Amboage:</b> <i>0.15" study of the atomic and molecular jets in DG Tau</i>                                      |
| 12.00-12.20 | CT | <b>R. Garcia Lopez:</b> <i>IR diagnostic of embedded jets: velocity resolved observations of the HH34 and HH46-47 jets</i> |
| 12.20-12.40 | CT | <b>S. Rajabi:</b> <i>Line formation in outflows from young stars</i>   |
| 12.40-13.00 | CT | <b>F. Suzuki-Vidal:</b> <i>Interaction of a Supersonic Radiatively Cooled Plasma Jet with a Background Ambient</i>         |
| 13.00-13.20 | CT | <b>A. Marocchino:</b> <i>Numerical Studies for Episodic Magnetically Driven Plasma Jets</i>                                |

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Lunch break

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### Jetset Board and Science meeting (restricted), Departures

IR = *Invited Review*, CT = *Contributed Talk*