

ROBOTIC AUTONOMOUS WORKSHOP (Málaga, 18-21 May 2009)

PRELIMINARY SCIENTIFIC PROGRAM

Hotel Camino Real, Avenida de la Riviera s/n Urb. Los Álamos
(Torremolinos, Málaga, Spain)

Sunday 17 May

17:00 Registration opens

20:00 Cocktail reception at Hotel Camino Real Swimming pool surroundings

Monday 18 May

09:30-09:45 Official Opening

Session I Robotic Astronomy: an historical perspective

09:45-10:15 Castro-Tirado: An historical perspective

10:15-10:45 Akerlof: Rotse

10:45-11:00 Nekola: BART

11:00-11:30 Coffee Break

Session II New HW and SW development

11:30-12:00 Kawai: MITSuME and other initiatives (invited)

12:00-12:15 Buie: Converting from Classical to Robotic Astronomy:
the Lowell Observatory 0.8m telescope.

12:15-12:30 Colomé: The OadM robotic observatory

12:30-12:45 Ferrero: The use of electron-multiplying CCDs in
high-time resolution studies of GRBs and
other transient sources

12:45-13:00 Malek: Pi of the Sky detector

13:00-13:15 Riva: Design, manufacturing and commissioning of
BIRCAM

13:15-13:30 Vitek: Looking for focus

13:30-16:00 Lunch

Session III Real-time analysis pipelines

16:00-16:30 Sokolowski: Detection of short optical transients of
astrophysical origin in real time (invited)

16:30-16:45 Gorbovskoy: Transient detections and other real-time data
processing from wide-field chambers
MASER-WVF-4

16:45-17:00 Takahashi: AROMA

17:00-17:30 Coffee Break

Session IV 18 Archiving the data

17:30-17:45 Cunniffe: Astronomical data archive and VO tools
(invited)

17:45-18:00 Goicoechea: Robotic monitoring of gravitationally
lensed quasars

18:00-18:30 Nicastro: Multiple depth DB tables indexing on the
sphere

18:30-19:00 Poster reports: 120s each (12x)

Session V Telescope and Observatory Control Systems

09:30-10:00 Stefanon: The REM Observing software (invited)
10:00-10:30 Molinari: REM, Automatic for the People
10:30-10:45 Morales Palomino: ASH: an experiment on remote and robotic use of a survey telescope.
10:45-11:00 Nawrocki: PiMan: system manager of the "Pi of the Sky" experiment
11:00-11:15 Kubánek: RTS2

11:15-11:45 Coffee Break

Session VI Transient detection and classification

11:45-12:15 Bloom: Transient detection and classification (invited)
12:15-12:30 Forster: Maximizing detection probabilities in targeted transient surveys
12:30-12:45 Pozanenko: Wide-field surveys
12:45-13:00 Karpov: Wide & fast-monitoring the sky in subsec domain

Session VII Protocols for robotic telescopes networks

13:00-13:30 Klotz: Protocols for robotic telescopes networks (invited)

13:30-16:00 Lunch

Session VIII Standards & protocols for transient reporting

16:00-16:30 Kubánek: Standards and protocols for transient reporting
16:30-16:45 Castillo Carrión: Making preliminary GRB real-time astronomical reports

Session IX Scientific results obtained by means of robotic Observatories (I)

16:45-17:15 Simon: Monitoring of high-energy sources (invited)
17:15-17:30 Gendre: Advantage of temporal resolution with TAROT: the observation of GRB 081126

17:30-18:00 Coffee Break

18:00-18:30 Granzer: Three years of robotic operation on STELLA
18:30-18:45 Comeron: Turning large telescopes robotic: the Rapid Response Mode at the VLT
18:45-19:00 Hanlon: The Watcher Robotic Telescope and its Observations of GRBs
19:00-19:15 Jelínek: GRB observations by BOOTES
19:15-19:30 Kocka: D50 telescope for GRBs and HE sources

22:00 Flamenco show at Hotel Camino Real

Wednesday 20 May

Session IX Scientific results obtained by means of robotic Observatories (II)

09:30-10:00 Lewis: Monitoring LMXBs with the Paulkes Telescopes
10:00-10:30 Strassmeier: The STELLA robotic facility in Tenerife
10:30-10:45 Tyurina: MASTER prompt and follow-up GRB observations
10:45-11:00 Gorosabel: Robotization of the 1.23m telescope at Calar Alto Observatory

11:00-11:30 Coffee Break

Session X Global Networks

11:30-12:00 Mundell: GRBs in the Era of Rapid Followup (invited)
12:00-12:30 Boër: Experiences and results from the TAROT observation system
12:30-13:00 Lipunov: MASTER Robotic Net
13:00-13:15 Lehner: The Taiwanese-American Occultation Survey
13:15-13:30 Cuesta: CAB Robotic Telescopes

13:30- Lunch & Free Afternoon

20:30 Conference Dinner in Málaga, at Parador Nacional de Gibralfaro. Bus departures at 20:00 at 50 m from the Hotel Camino Real main entrance. Returning at 24:00

Thursday 21 May

Session XI Educational Applications

09:45-10:15 Baruch: The Bradford Telescope (invited)
10:15-10:30 Sánchez-Moreno: Montegancedo Astronomical Observatory:
first free access telescope via the Internet

10:30-11:00 Coffee Break

Session XII Future strategies

11:00-11:30 Vitali: Future strategies (invited)
11:30-12:00 Beskin: From TORTORA to MEGATORTORA
12:00-12:15 Chenzhou Cui: Potential robotic autonomous
observatories from China
12:15-12:30 Hudec: The role of ground-based robotic
observatories in satellite projects

12:30-13:20 Joint Discussion

13:20-13:30 Concluding Remarks

13:30 Closing