

# USE OF SMALL TELESCOPES IN THE GIANT ERA II

CALL FOR ABSTRACTS



## USE OF SMALL TELESCOPES IN THE GIANT ERA II

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26-29 February 2024

Complesso di Sant'Apollonia, Firenze (Italy)

<http://chiantitopics.it>  
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## 6<sup>th</sup> Chianti Topics International Focus Workshop

### Scientific Rationale:

Astronomers are generally looking for larger and larger aperture telescopes to have a wide collecting area and a higher angular resolution. It is not so long that 8 m class telescopes are on duty; there are projects to build larger aperture telescopes like Extremely Large Telescopes (30 – 40 m). In this realm inhabited by such giants, is there still a need for small ( $\leq 2$  m) telescopes? The answer is in the forefront observations and datasets obtained, for example, in the recent past by 2  $\mu$ m All Sky Survey (two 1.3 m Telescopes) and Sloan Digital Sky Survey (a wide-field telescope of 2.5 m). More recently, astronomers have a better knowledge of transient phenomena or new transiting worlds, owing to small telescopes ( $\leq 80$  cm) and photometers. Small-telescope nets for variable star monitoring, asteroseismic campaigns, and transient observations can produce new data and relevant science. Finally, several small telescopes have been proposed to fly on board a single satellite or satellite flotilla to enhance knowledge in several fields of astrophysics. Kepler overall is an example, but future missions like CHEOPS, TESS, PLATO or ARIEL are planned to gather results on old and new extrasolar planets with their single or group of small telescopes. Most of these results are due to coupling small telescopes and improved detectors, as well as H/W and S/W technologies, allowing high performances in their duty. Moreover, small telescopes are used daily for educational activities, outreach, and training for young astronomers' activities. The CHIANTI TOPICS workshop will put together experts in small telescope instrumentation and the user community to have an up-to-date view of results with this kind of instrument in the several fields of astrophysics and discuss its role in the giants' era.

- Topics:**
- Observing techniques and instrumentation for small Telescopes ( $\leq 2$ m)
  - Science with small telescopes
  - Large Surveys
  - Small telescopes networks
  - Robotic Telescopes
  - Small space telescopes
  - Management and Operations
  - Data exploitation and Dissemination

**Organizers:** Osservatorio Polifunzionale del Chianti,  
Università di Firenze,  
Istituto Nazionale di Astrofisica

**Chairpersons:** Emanuele Pace, Riccardo Claudi



**SOC:** Enrico Bernieri, Enzo Brocato, Ivo Saviane, Alessandro Sozzetti, Lina Tomasella, Silvano Tosi, Fabrizio Vitali

**LOC:** L. Betti, C. Calamai, R. Ciantini, M. Michelagnoli, L. Naponiello, R. Stanga

**Confirmed Invited Speakers:**

I. Ermolli (INAF-OAR), A. Kokori (UCL EXOCLOCK), E. Perozzi (ASI), A. Pizzella (Padova University), E. Molinari (INAF-OACa), S. Savaglio (INAF Dir. Scientifica)

**Participants:** Researchers and experts in the topic fields. Priority to PhD & postdocs.

**Key dates:**

31/10/23:	Call for Abstracts
31/01/24:	Abstract submission closed (Extended)
07/02/24:	Speaker selection closed
14/02/24:	Preliminary Program
25/02/24:	Registration ends
26/02/24:	On-site registration opens
26/02/24:	Conference opens

**Activities:**

26/02/24:	Welcome drink
28/02/24:	Social Tuscan dinner

**Fee:**

Participant Full:	300,00 €
Student Full:	150,00 €
Social dinner:	50,00 €

Includes: conference fee, coffee breaks, lunches

**Information:** <http://chiantitopics.it>  
[info@chiantitopics.it](mailto:info@chiantitopics.it)

