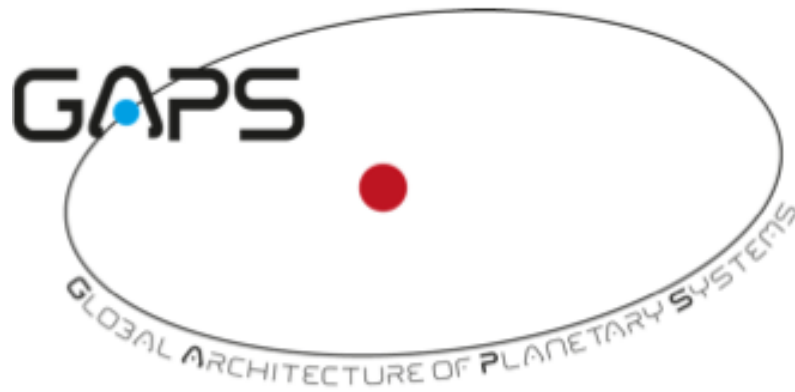


7th GAPS Progress Meeting



Wednesday, 4 November 2015 - Friday, 6 November 2015

Catania Astrophysical Observatory

Scientific Programme

7th GAPS Progress Meeting

Venue: INAF - Catania Astrophysical Observatory, Via S. Sofia, 78 - 95123 Catania – West Lecture Hall

04 November 2015

13:00 Welcome lunch

14.00: Accomodation in the hall and logistics

14.15: Welcome address by G. Umana, Director of INAF-Catania Observatory

14.25: Technical session (Chair: A.F. Lanza)

14.25-14.45: R. Cosentino: Instrument status

14.45-15.05: R. Claudi: Status of GAPS observations

15.05-15.25: Discussion (including possible questions on data archive and software tools)

15.25-15.45: A. F. Lanza: Presentation of the new authorship policy

15.45-16.00: Discussion on the policy

16.00-16.30: Coffee break

16.30: Status of the program elements (including reports on work and papers in progress)
(Chair: E. Covino)

16.30-17.00: A. Sozzetti: Status of the Metal Poor Stars program

17.00-17.30: L. Malavolta: Status of the Open Cluster program and the first planetary system discovered by GAPS in an OC

18.00 End of the day

05 November 2015

9.00: Status of the program elements (including reports on work and papers in progress): (Chair: I. Pagano)

9.00-9.15: G. Micela: status of the M-type star program

9.15-9.35: L. Affer: GJ3998 - GAPS-M87: A super-earth around an M star

9.35-10.00: J. Maldonado and G. Scandariato: Rotation, magnetic activity, and flux-flux relationships in M-type stars

10.00-10.15: M. Rainer: New masks for M stars

10.15-10.30: A. Sozzetti: M107 – a status report

10.30-10.45: R. Fares: Spectropolarimetry of M dwarfs to constrain RV jitter

10.45 Coffee break

11.15 Status of the program elements (continued) (Chair: R. Claudi)

11.15-11.35: S. Desidera: Status of the program on known planetary systems

11.35-11.55: S. Benatti: The planetary system around HD 108874

11.55-12.15: A. Bonomo: Structure and evolution of transiting giant planets: a Bayesian homogeneous determination of orbital and physical parameters

12.15-12.35: K. Biazzo: Status of abundance analysis of stars with transiting planets

12.35-12.55: M. Damasso: The Yale Radial Velocity Challenge: results and application for testing tools to detect low-mass planets

12.55-13.15: E. Covino: Status of the program on Rossiter-McLaughlin effect

13.15 Lunch

14.30 Status of the program elements (continued) (Chair: S. Desidera)

14.30-15.00: G. Scandariato: GAPS planets and further characterization

15.00 The new proposal to TNG TAC for AOT33/2016A (March 1 –August 31)

15.00-16.00: A. Sozzetti (TBC): Presentation of the proposal

16.00-16.30: Discussion of the proposal

16.30 Coffee break

17.00 Status of the program elements (continued) (Chair: G. Micela)

17.00-17.15: A. Maggio: Star-planet interactions: lessons on chromospheric activity learned through the investigation of HD 17156

17.15-17.30: A. F. Lanza: Status of the investigation on line asymmetry indicators in active stars

17.30-17.45: F. Borsa: Looking for reflected light in tau Bootis

17.45-18.00: S. Masiero, C. Boccato: "Altrimondi e dintorni ...": status of outreach and education

18.00-18.30 General discussion on GAPS program elements

20.30 Social dinner - Ristorante "I Clerici"

06 November 2015

9.00 Synergies with other facilities and new proposals to exploit HARPS-N (Chair: R. Gratton)

9.00-9.15: R. Claudi: Status of GIARPS, the GIANO+HARPS synergic program

9.15-9.20: I. Pagano: PMP update

9.20-9.30: S. Messina: Coordination of activities with amateur astronomers

9.30-9.45: P. Giacobbe: APACHE - status update, new tools, preliminary exoplanet frequency estimates

9.45-10.00: G. Scandariato/R. Zanmar Sanchez: Status of the photometric follow-up at Serra La Nave

10.00-10.15 L. Mancini: The KOI-372 planetary system

10:15-10:30 M. Pinamonti: Comparative study of algorithms for periodogram analysis of radial velocities

10.30 Coffee break

11.00 General discussion on the future development of GAPS, in the prospect of a new agreement between HARPS-N Consortium and INAF (Chair: A. Sozzetti)

12.30 Conclusions

13.00 End of the meeting