

ASTEROSEISMOLOGY AND EXOPLANETS

LISTENING TO THE STARS
AND SEARCHING FOR
NEW WORLDS

17–27 JULY, 2016

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AN INTRODUCTION TO STELLAR MODELING

Victor Silva Aguirre [AARHUS UNIV., DENMARK]

THEORY OF STELLAR OSCILLATIONS

Margarida Cunha [IA, PORTUGAL]

STELLAR INVERSION TECHNIQUES

Daniel Reese [PARIS OBSERVATORY, FRANCE]

HELIOSEISMOLOGY AND THE SOLAR-STELLAR CONNECTION

Guy Davies [UNIV. OF BIRMINGHAM, UK]

DATA ANALYSIS IN ASTEROSEISMOLOGY

Tiago Campante [UNIV. OF BIRMINGHAM, UK]

ASTEROSEISMOLOGY OF RED GIANTS AND GALACTIC ARCHAEOLOGY

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SYNERGIES BETWEEN ASTEROSEISMOLOGY AND EXOPLANETARY SCIENCE

Daniel Huber [UNIV. OF SYDNEY, AUSTRALIA]

EXOPLANETARY SCIENCE: AN OVERVIEW

Nuno Santos [IA, PORTUGAL]

ANALYSIS OF PHOTOMETRIC TIME SERIES

Thomas Barclay [NASA AMES, USA]

DERIVING HIGH-PRECISION RADIAL VELOCITIES

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MODELING LIGHT AND VELOCITY CURVES OF EXOPLANET HOSTS

Rodrigo Díaz [UNIV. OF GENEVA, SWITZERLAND]

CHARACTERIZATION OF EXOPLANET-HOST STARS

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NOISE SOURCES IN PHOTOMETRY AND RADIAL VELOCITIES

Mahmoudreza Oshagh [IA, PORTUGAL]

EXOPLANET ATMOSPHERES

David Ehrenreich [UNIV. OF GENEVA, SWITZERLAND]

THEORY OF PLANETARY FORMATION AND MIGRATION

Christoph Mordasini [UNIV. OF BERN, SWITZERLAND]

HANDS-ON

ASTEROSEISMIC DATA ANALYSIS WITH *DIAMONDS*

Enrico Corsaro [CEA, FRANCE] + *Tiago Campante* [UNIV. OF BIRMINGHAM, UK]

ASTEROSEISMIC STELLAR MODELING WITH *AIMS*

Mikkel Lund [UNIV. OF BIRMINGHAM, UK] + *Daniel Reese* [PARIS OBSERVATORY, FRANCE]

MEASURING STELLAR ATMOSPHERIC PARAMETERS

Sérgio Sousa [IA, PORTUGAL] + *Nuno Santos* [IA, PORTUGAL]

DETECTING PLANETARY TRANSITS AND RADIAL-VELOCITY SIGNALS

Susana Barros [IA, PORTUGAL] + *João Faria* [IA, PORTUGAL]

PUBLIC EVENTS

“THE EXOPLANET LANDSCAPE: PRESENT AND FUTURE”

Nuno Santos [IA, PORTUGAL]

“TERTÚLIA: THE FUTURE IN ASTEROSEISMOLOGY AND EXOPLANET RESEARCH”

CHAIRS: *Nuno Santos* [IA, PORTUGAL], *Mário Monteiro* [IA, PORTUGAL], *Tiago Campante* [UNIV. OF BIRMINGHAM, UK]

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