

Foreword

Jørgen Christensen-Dalsgaard¹

¹*Stellar Astrophysics Centre, Department of Physics and Astronomy, Aarhus University, Ny Munkegade 120, DK-8000 Aarhus C, Denmark*

Abstract. N/A

The Kepler Asteroseismic Science Consortium (KASC) workshops have become an important meeting place for discussions of asteroseismology and related fields, from exoplanet research to Galactic archaeology, as well as the broader aspects of stellar physics. With the approaching launch, planned for March 2018, of the TESS mission activities within the TESS Asteroseismic Science Consortium (TASC) will take on increasing importance. The present workshop in addition marked the conclusion of the very productive SpaceInn project, organized under the HELAS collaboration and supported by the EU FP7 programme. And finally the meeting involved a look back to the conference ‘*Seismology of the Sun and the Distant Stars*’ organized by Douglas Gough in Cambridge in 1985 and served to mark Douglas’s 75th birthday in February 2016. Unfortunately Douglas was unable to attend, except via Skype, but it is excellent that he has contributed his remarks to these proceedings.

Each KASC meeting has its own highlights. It is difficult to beat the epiphany at KASC3 of realizing that the asteroseismic data that for decades we had been waiting for were now finally available. However, the present meeting was remarkable in the scope and physical understanding provided by the talks and posters, including fruitful discussions, and demonstrating the extreme richness still to be fully explored from the Kepler data. Much of this is reflected in the present volume. Also, the meeting provided a start of the planning of the target selection and data analysis for the TESS mission, which will greatly increase the volume of asteroseismic data and provide a huge set of data on other sorts of variability of stars and other objects.

I write this just a few days after the PLATO mission was adopted by ESA’s Science Programme Committee, with planned launch in 2026. The future of our field looks very promising indeed!

Aarhus, 26 June 2017