Preface
by S. Schuh and G. Handler, Proceedings Editors 3

**Stochastically excited pulsators (main sequence, red giants, AGB)**

Challenges for stellar pulsation and evolution theory
by J. Daszyńska-Daszkiewicz 7

μ Herculis: Analysis of EW time series of a solar-type pulsator
by E. Carolo, R. Claudi, S. Benatti, and A. Bonanno 19

Asteroseismology of solar–type stars with SARG@TNG
by R. Claudi, S. Benatti, A. Bonanno, M. Bonavita, S. Desidera, et al. 21

Using p-mode excitation rates for probing convection in solar-like stars
by F. Kupka, K. Belkacem, M.-J. Goupil, and R. Samadi 24

Further progress on solar age calibration
by G. Houdek and D. O. Gough 27

Parametric interaction of coronal loops with p modes
by A. V. Stepanov, V. V. Zaitsev, A. G. Kisliakov, and S. Urpo 30

A preliminary glimpse on CoRoT results and expectations
by E. Michel, K. Zwintz, and the CoRoT team 33

**Heat-driven pulsators along the main sequence**

Asteroseismology of B stars
by A. Thoul 35

"Hybrid" pulsators - fact or fiction?
by G. Handler 42

TW Dra: NRP mode identification with FAMIAS
by H. Lehmann, A. Tkachenko, and D. E. Mkrtichian 45

Preliminary results of V440 Per and α UMi observations with the Poznan Spectroscopic Telescope
by M. Fagas, R. Baranowski, P. Bartczak, W. Borczyk, W. Dimitrow, et al. 48

2D modeling of a Cepheid, moving grid approach
by E. Mundprecht 51

Blazhko variables – recent results
by J. Jurcsik 53

CZ Lacertae – a Blazhko RR Lyrae star with multiperiodic modulation
by Á. Sógor 55

The true Blazhko behaviour of DM Cyg
by Zs. Hurta 57

Asteroseismology of pre-main sequence stars
by K. Zwintz, D. B. Guenther, and T. Kallinger 59

Asteroseismology of chemically peculiar stars
by O. Kochukhov 61

The pulsating component of the B[e]/X-Ray transient and multiple system CI Cam
by E. A. Barsukova and V. P. Goranskij 71
Compact pulsators

Asteroseismology and evolution of EHB stars
by R.H. Østensen 75

A search for Extreme Horizontal Branch pulsators in ω Cen
by S. K. Randall, A. Calamida, and G. Bono 88

Time-resolved spectroscopy of the planet-hosting sdB pulsator V391 Pegasi
by S. Schuh, R. Kruspe, R. Lutz, and R. Silvotti 91

Long-term EXOTIME photometry and follow-up spectroscopy of the sdB pulsator HS 0702+6043
by R. Lutz, S. Schuh, R. Silvotti, R. Kruspe, and S. Dreizler 94

Search for sdB/WD pulsators in the Kepler FOV
by R. Silvotti, G. Handler, S. Schuh, B. Castanheira, and H. Kjeldsen 97

Asteroseismology and evolution of GW Vir stars
by P.-O. Quirion 99

UV spectroscopy of the hybrid PG 1159-type central stars of the planetary nebulae NGC 7094 and Abell 43
by M. Ziegler, T. Rauch, K. Werner, L. Koesterke, and J. W. Kruk 107

Eruptive variable and binary stars

Towards a dynamical mass of a PG 1159 star: radial velocities and spectral analysis of SDSS J212531−010745
by B. Beeck, S. Schuh, T. Nagel, and I. Traulsen 111

TT Arietis – observations of a Cataclysmic Variable Star with the MOST Space Telescope
by J. Weingrill, G. Kleinschuster, R. Kuschnig, J. M. Matthews, A. Moffat, et al. 114

A progress report on the study of the optical variability of the old nova HR Del
by I. Volosheina, M. Friedjung, M. Danesfeld, and V. Sementsov 117

A study of the atmospheric structure of AX Mon (HD 45910)
by A. Antoniou, E. Danezis, E. Lyratzis, L. Č. Popović, M. S. Dimitrijević, et al. 119

η Carinae – The outer ejecta
by K. Weis 121

Methods and tools

Time series analysis with the VSAA method
by S. Tsantilas, K. Kolenberg, and H. Rovithis-Livaniou 125

Mapping pulsations on rapidly rotating components of eclipsing binaries
by B. I. Biro and O. Latkovic 127

Physical parameters of contact binaries through 2-D and 3-D correlation diagrams
by K. D. Gazdas 129

Musical scale estimation for some multiperiodic pulsating stars
by B. Ulaš 131
Cocktail reception at Vienna City Hall.