1. Record Nr. UNINA9910431343203321 Dynamics of the sun and stars: honoring the life and work of Michael J. **Titolo** Thompson / / Mario J. P. F. G. Monteiro [and three others], editors Pubbl/distr/stampa Cham, Switzerland:,: Springer,, [2020] ©2020 3-030-55336-1 **ISBN** Edizione [1st ed. 2020.] Descrizione fisica 1 online resource (XIV, 343 p. 110 illus., 23 illus. in color.) Collana Astrophysics and space science proceedings;; Volume 57 Disciplina 523.7 Soggetti Helioseismology Astroseismology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia

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Sommario/riassunto

These are the proceedings of a meeting celebrating Michael Thompson's seminal work on solar and stellar physics, as well as his major contributions to the development of the National Center for Atmospheric Research. The meeting also marked Michael J. Thompson' s untimely death in October 2018. Michael played a key role in the development of helioseismology and its application to the study of the structure and dynamics of the solar interior, and he provided a strong foundation for the extension of seismic studies for other stars. After focusing for several years on more administrative activities, he was returning to leading the seismic studies of solar interior rotation and he was deeply involved in the understanding of the dynamics of the core of stars, when his life was tragically lost. The conference focused on dynamical aspects of the sun and stars, based on the large amount of data available on solar and stellar oscillations, and the extensive and detailed modelling now becoming feasible. Combining observations, seismic analysis, and modelling the meeting and this book serve as a fitting memorial to a close colleague and friend, much missed.