

HACK100

Past, Present and Future of Astrophysical Spectroscopy

Trieste, June 6-10, 2022

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FOREWORD

This conference has been organized with the ambition to highlight the scientific legacy of Margherita Hack on the occasion of what should have been her 100th birthday on June 12, 2022. The conference took inspiration by her words: *All of us have a common origin, we are all children of the evolution of the Universe, of the evolution of the stars, and therefore we are really all brothers*. This sentence highlights both the scientific and humanistic view of Margherita Hack towards the Universe and humanity. The conference was very enjoyable, with many participants and a wide range of topics, covering from memories of Margherita by her close collaborators and students to current and future scientific and instrumental projects.

The conference was largely centred on high resolution spectroscopy, since this was the main topic covered by Margherita's research. It was certainly very refreshing to see how alive is the field with many young scientists participating and presenting very interesting results. The future of astronomical spectroscopy is very promising and very fundamental advances lay ahead through the latest and future generations of instruments.

In this volume we collect a subset of the papers that have been presented as oral presentations or poster-papers. We feel this collection gives a useful view of the conference's success.

We wish to warmly thank the colleagues of the Scientific Organising Committee and of the Local Organising Committee, without whose efforts none of this would have been possible.

We would also wish to thank Fabrizio Fiore, director of the Trieste Astronomical Observatory for willing this conference and Giuliana Fiorentino, Director of Memorie della Società Astronomica Italiana, for accepting to publish this volume on the Journal. Special thanks are also due to Memorie's Assistant Editors, Elena Valenti and Stefania Salvadori, who helped us in the refereeing process.

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