## Author index





https://doi.org/10.1017/S1743921317009735 Published online by Cambridge University Press

https://doi.org/10.1017/S1743921317009735 Published online by Cambridge University Press

**IAU Symposium No.330**
24–28 April 2017
Nice, France

# Astrometry and Astrophysics in the Gaia Sky

Astrometry has historically been fundamental to all the fields of astronomy, driving many revolutionary scientific results. ESA's Gaia mission is astrometrically, photometrically and spectroscopically surveying the full sky, measuring around a billion stars to magnitude 20, to allow stellar distance and age estimations with unprecedented accuracy. With the complement of radial velocities, it will provide the full kinematic information of these targets, while the photometric and spectroscopic data will be used to classify objects and astrophysically characterize stars. IAU Symposium 330 reviews the first 2.5 years of Gaia activities and discusses the scientific results derived from the first Gaia data release (GDR1). This significant increase in the precision of the astrometric measurements has sharpened our view of the Milky Way and the physical processes involved in stellar and galactic evolution. To many, the Gaia revolution heralds a transformation comparable to the impact of the telescope's invention four centuries ago.

Proceedings of the International Astronomical Union
*Editor in Chief: Dr Piero Benvenuti*
This series contains the proceedings of major scientific meetings held by the International Astronomical Union. Each volume contains a series of articles on a topic of current interest in astronomy, giving a timely overview of research in the field. With contributions by leading scientists, these books are at a level suitable for research astronomers and graduate students.

International Astronomical Union



**Proceedings of the International Astronomical Union**

**Cambridge Core**
For further information about this journal please go to the journal website at:
**cambridge.org/iau**

CAMBRIDGE UNIVERSITY PRESS

ISBN 978-1-107-17008-7
9 781107 170087