

IAU SYMPOSIUM 306

Lisbon Portugal 25-29 May 2014

# STATISTICAL CHALLENGES in 21<sup>st</sup> CENTURY COSMOLOGY

## BAYESIAN METHODS

David van Dyk UK

## WEAK LENSING

Masahiro Takada Japan

## STATISTICS OF FIELDS

Sabino Matarrese Italy

## LARGE-SCALE STRUCTURE

Licia Verde Spain

## COMBINING PROBES

Anais Rassat Switzerland

## MASSIVE PARAMETER ESTIMATION

Ben Wandelt France

## OVERWHELMINGLY LARGE DATASETS

Alex Szalay USA

## 21 CM COSMOLOGY

Mário Santos South Africa (Portugal)

## COSMIC MICROWAVE BACKGROUND

Graca Rocha USA (Portugal)

## SPARSITY: WAVELETS, COMPRESSIVE SAMPLING

Jalal Fadili France

## ERRORS AND NONPARAMETRIC ESTIMATION

Aurore Delaigle Australia

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