

# GGI Focus Week on Large Scale Structure

## Tuesday 05 April:

- 10:00 - 10:45 C. Porciani, *Myth and truth about halo formation in CDM models*
- 10:45 - 11:30 M. Liguori, *Testing Inflation with CMB and LSS*
- 11:30 - 12:00 Coffee Break
- 12:00 - 12:30 A. Notari, *CMB Distortions due to peculiar motion and intrinsic Anomalies*
- 12:30 - 13:00 M. Ballardini, *Probing violations of slow-roll inflation on large scales with future galaxy surveys*
- 13:00 - 14:30 Lunch break
- 14:30 - 15:00 I. Sawicki, *Tension in  $\sigma_8$ : Extended dark matter or something else?*
- 15:00 - 15:30 A. Lazanu, *A three-shape model for the matter bispectrum of large-scale structure*
- 15:30 - 16:00 Coffee Break
- 16:00 - 17:30 Panel Discussion on "CMB and LSS"
- 18:00 - 19:30 Welcome Reception

## Wednesday 06 April:

- 10:00 - 10:45 J. Garcia-Bellido, *Cosmology from Photometric Surveys: Dark Energy Survey and Physics of the Accelerating Universe Survey*
- 10:45 - 11:30 M. Pietroni, *Perturbative approaches to the LSS in LCDM and beyond*
- 11:30 - 12:00 Coffee Break
- 12:00 - 12:30 A. Raccaelli, *Using the Large-Scale Structure of the Universe to test cosmological models*
- 12:30 - 13:00 G. Fanizza, *Ultra-relativistic particles in an inhomogeneous universe: can we use them for precision cosmology?*
- 13:00 - 14:30 Lunch break
- 14:30 - 15:00 E. Villa, *Relativistic perturbations in LambdaCDM: Eulerian and Lagrangian approaches*
- 15:00 - 15:30 S. Sibiryakov, *Time-sliced perturbation theory: A new approach to Large Scale Structure*
- 15:30 - 16:00 Coffee Break
- 16:00 - 17:30 Panel Discussion on "Current and Future Observations"

## Thursday 07 April:

- 10:00 - 10:45 V. Desjacques, *Theoretical challenges in galaxy clustering*
- 10:45 - 11:30 L. Hui, *Two applications of Nambu-Goldstone bosons in cosmology*
- 11:30 - 12:00 Coffee Break
- 12:00 - 12:30 M. Raveri, *Efficient exploration of Modified Gravity models in the era of Large Surveys*
- 12:30 - 13:00 M. Zumalacarregui, *Gravity at the horizon: from the cosmic dawn to ultra-large scales*
- 13:00 - 14:30 Lunch break
- 14:30 - 15:00 D. Bertacca, *General relativistic corrections in the galaxy two-point correlation function*
- 15:00 - 15:30 E. Di Dio, *Relativistic effects on Large Scale Structure observables*
- 15:30 - 16:00 Coffee Break
- 16:00 - 17:30 Panel Discussion on "Challenges in LSS"
- 18:00 - 22:00 Visit of house of Galileo & focus week dinner