



## **XVIII SIGRAV Conference**

### **Plenary Lectures**

- ◇ S.L. Cacciatori, *Conserved quantities for the Sitter particles*
- ◇ G.Lambiase, *Leptogenesis induced by spin-gravity coupling of neutrinos with the cosmological background*
- ◇ S. Liberati, F. Girelli, L. Sindoni, *Analogue Models for Emergent Gravity*

### **Workshop A: Theoretical Gravity**

- ◇ E.Bonacci, *Beyond Relativity*
- ◇ A.Campoleoni, *Lagrangian formulations for Bose and Fermi higher-spin fields of mixed symmetry*
- ◇ F. Dalla Piazza, *Construction of chiral superstring measure*
- ◇ L.Fatibene, M.Francaviglia, *Global Barbero-Immirzi Connections*
- ◇ S.Quintavalle, *Spherical gravitational collapse in any dimension*

### **Workshop B: Observational Gravity**

- ◇ V.F. Cardone, G. Esposito, *Towards an averaging procedure in variable-G cosmologies*
- ◇ V.Faraoni,  *$f(R)$  gravity: successes and challenges*