# 6th Summer School on INtelligent signal processing for FrontIEr Research and Industry

## Tuesday, 31 August 2021

**MORNING SESSION 7, PLENARY LECTURES: NEW ENERGIES KEYNOTE FIRST PART and PLENARY LECTURE SESSION 7 on: BIG DATA, MASSIVE PARALLEL COMPUTING and HIGH PERFORMANCE COMPUTING** - Auditorium of Faculty of Biology (09:00 - 13:10)

-Conveners: Jose Manuel PEREZ

| time | [id] title | presenter |
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| 09:00 | [33] KEYNOTE on NEW ENERGIES: Part 1: THE NEXT GENERATION OF SOLAR ENERGY: THE PEROVSKYTE SOLAR CELLS | Prof. PARK, Nam Gyu |
| 10:20 | Coffee break | |
| 10:40 | [34] PLENARY SESSION ON BIG DATA MPC and HPC: | |
| | - [1] INTRODUCTION TO BIG DATA, MASSIVE PARALLEL AND HIGH PERFORMANCE COMPUTING: THE FUNDAMENTAL SCIENCES CASE and OUTCOMES | Prof. FLIX, Josep |
| | - [2] NEURAL NETWORK AUTOENCODER in ASIC FOR ON-DETECTOR DATA COMPRESSION | Dr HIRSCHAUER, James Francis |