



Dear Colleagues,

We are organizing the 4th Summer School at ISAC Institute, Lecce Unit. This year the school will be on "**Severe Convective Weather: Theory and Applications**" and will be held at hotel Orsa Maggiore (<http://www.orsamaggiore.it/>) in Castro Marina, a very nice marine resort close to Lecce, in the south-eastern corner of Italy, from 17 to 21 September 2012.

The purpose of this course is to provide an intensive and comprehensive review of current knowledge of severe weather, ranging from tornadoes, mesoscale convective systems, local thunderstorms to the Planetary Boundary Layer in severe weather conditions. It is primarily addressed to PhD and Master students in atmospheric sciences.

The lectures and seminars will be held by:

Andrea Buzzi (ISAC-CNR, Bologna, Italy)

Experiences in numerical forecasting of convective and heavy precipitation episodes;

Evgeni Fedorovich (University of Oklahoma, Norman, OK, USA)

PBL wind shear and PBL structure in pre-storm environments;

Vincenzo Levizzani (ISAC-CNR, Bologna, Italy)

Satellite diagnostics of severe convection;

Richard Rotunno (NCAR, Boulder, CO, USA)

Tornadoes and tornadogenesis;

Morris Weisman (NCAR, Boulder, CO, USA)

Mesoscale Convective Systems, supercells, squall lines.

For any further information please contact us at:

summerschool2012@le.isac.cnr.it

The Organizing Committee

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