## Conference Site

The conference will be held at the conference room of the Nuovo Rettorato, Piazza Tancredi, in Lecce.

## Organizing Committee

*Eleonora Alfinito*
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*Anna Carbone*
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For further details visit our web site
http://acn2011.unisalento.it

## All the Colors of Noise
## Invited Participants

| | |
|---|---|
| Antti-Pekka Jauho | DTU-Copenhagen, Denmark |
| Aleshkin Vladimir | IPM, Nizhni Novgorod, Russia |
| Bordone Paolo | Università di Modena, Italy |
| Brunetti Rossella | Università di Modena, Italy |
| Carbone Anna | Politecnico di Torino, Italy |
| Cola Adriano | CNR –IMM, Lecce, Italy |
| Greiner Andrea | Univers. of Freiburg, Germany |
| Gomila Gabriel | Univers. de Barcelona, Spain |
| Gonzalez Tomas | Univers. de Salamanca,Spain |
| Jacoboni Carlo | Università di Modena, Italy |
| Kish Laslo | Texas  A&M University, USA |
| Kuhn Tilmann | Univers. of Muenster, Germany |
| Macucci Massimo | Università di Pisa, Italy |
| Millithaler J-François | Università del Salento, Italy |
| Mitin Vladimir | University at Buffalo, USA |
| Pennetta Cecilia | Università del Salento, Italy |
| Shiktorov Pavel | SPI-Vilnius, Lithuania |
| Trovato Massimo | Università di Catania, Italy |
| Varani Luca | Université Montpellier II France |
| Vasanelli Lorenzo | Università del Salento, Italy |

# ALL the COLORS of NOISE
# (ACN - 2011)



# November 14-15, 2011
# Lecce, Italy

http://acn2011.unisalento.it

Organized by
**Condensed Matter Group**
**Dipartimento di Ingegneria  dell'Innovazione**
**Università del Salento**

## Introduction

Noise keeps reminding that nothing is static, regular, or anyway simple as one could naively think.

Indeed, everything is more than its appearance.

Whenever one tries to simplify the world in which we live and considers an ideal world in which complexity is linearized, he soon discovers that behind this clean (but too simple) and reassuring (but too flat) framework he has given up the richest and most intriguing part of reality itself.

Noise belongs to this side that is not "dark". On the contrary, it has many facets and is full of colors.

This forum will be the opportunity to pay homage to Lino Reggiani, for his 70-th birthday, a colleague and friend of ours who spent most of his scientific life in noise investigation, declined in all its colors.

## Communication Paper

The participants are requested to submit a contribution of their collaborative work with Professor Lino Reggiani. The article must be no longer than 6 pages, written in revtex and must be submitted only electronically by email (eleonora.alfinito@unisalento.it) before September 15, 2011.

## Date and Location

The ACN conference will take place on November 14-15, 2011, in Lecce, Italy.



Situated at the south-eastern edge of Italy, the province occupies the area called Penisola Salentina with the Adriatic Sea to the east and the Ionian to the south and west, a unique landscape of rugged, reddish territory, villages of white-painted houses, all between sea and sky of astounding blue, and including the two splendid lakes of Alimini Grande and Alimini Piccolo.

## Accomodations

For hotel registration, please visit our web site: http://acn2011.unisalento.it

## Objective of ACN2011

The meeting aims to provide a forum for researchers engaged on noise and fluctuations investigations, both on the theoretical and experimental side. Much has been made in this field, anyway a lot of new questions arise from the recent technological progresses in nano-sized and biological-integrated devices. The workshop will be the place for allowing these questions to circulate among people with different expertise, because the most innovative ideas often come from the exchange of experience and, therefore, by changing the point of view.

## Main Topics

1. Analytical and computational methods in noise and fluctuations
2. Enhanced and suppressed shot noise
3. Noise in devices
4. High field transport and fluctuations
5. Non -equilibrium carrier transport
6. Noise and fluctuations in biological systems
7. Noise and fluctuations in complex systems