

# Techniques of particles and nanoparticle sampling in the atmosphere

Particulate matter is considered one of the air pollutants of major concern in the anthropised areas. In particular submicronic particles are able to penetrate deeply in the living beings, e.g. passing directly from lungs to blood.

The measurements of the aerosols is crucial for studies aimed at clarifying the particles' dynamics and the development of suitable prevention strategies.

The workshop will focus on the main measurement aspects of aerosol monitoring, as well as on the research opportunity offered by newly available instruments on the market.

#### Scientific Committee

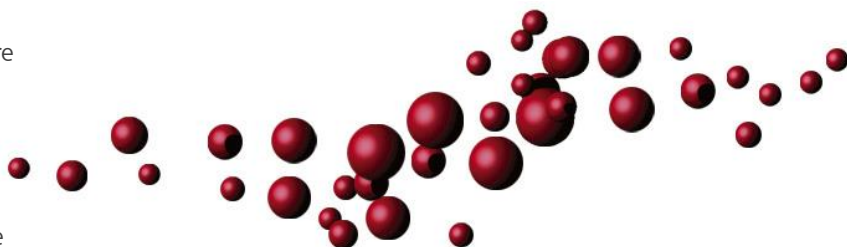
Giacomo Gerosa, Università Cattolica del Sacro Cuore  
Angelo Finco, Università Cattolica del Sacro Cuore  
Riccardo Marzuoli, Università Cattolica del Sacro Cuore  
Stefano Somaschi, DEKATI Italia  
Elina Nieminen, DEKATI, Finland

#### Local organizing committee

Stefano Somaschi, DEKATI Italia  
Giacomo Gerosa, Università Cattolica del Sacro Cuore  
Maria Chiesa, Università Cattolica del Sacro Cuore  
Angelo Finco, Università Cattolica del Sacro Cuore

#### Program

- 10:00 Giacomo GEROSA - *Welcome greetings and workshop aims*
- 10:10 Stefano SOMASCHI - *Physical aspects of aerosol*
- 10:30 Jonna KANNOSTO - *Sampling issues for nanoparticles' measurements. From the theory to the practice*
- 11:15 *Discussion*
- 12:00 Lunch offered by Dekati Italia
- 13:30 *Workgroup*
- 15:00 *Coffe break*
- 15:30 *General discussion*
- 16:15 Stefano SOMASCHI - *Conclusive remarks*



## International workshop

December 13<sup>th</sup> 2016, h. 10.00-16.30

Sala Riunioni

Università Cattolica del Sacro Cuore

Via Musei 41 - Brescia

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