



# i giovedì del dottorato

## dottorato di ricerca in ambiente, design e innovazione

### Complex Networks and Water Distribution Systems

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19.04.2018

Seminar\_Aula Magna  
Workshop\_Aula 2B  
Real Casa dell'Annunziata  
Via Roma, 29 - Aversa (CE)

**10.00** Innovative approaches to water system management

**Michele Di Natale**

Department of Engineering - Università degli Studi della Campania Luigi Vanvitelli  
and GORI Spa

**Introduction to complex network**

**Antonio Scala**

Department of Physics - Università degli Studi di Roma "La Sapienza"  
and Institute for Complex Systems

**Impact of complex networks on the real world**

**Angelo Facchini**

IMT Alti Studi Lucca and Institute for Complex Systems

**Scale laws and clustering  
of water distribution networks**

**Armando Di Nardo**

Department of Engineering - Università degli Studi della Campania Luigi Vanvitelli  
and Institute for Complex Systems

**Water distribution networks:  
from topology to hydraulics**

**Roberto Greco**

Department of Engineering - Università degli Studi della Campania Luigi Vanvitelli

**14.00** Lunch

**15.00** Workshop: "Modeling and resolution  
of complex networks"

**Antonio Scala and Angelo Facchini**

**18.00** Conclusion