



**UNIVERSITÉ
DE GENÈVE**

**INSTITUT DES SCIENCES
DE L'ENVIRONNEMENT**

Uni-Battelle, Bâtiment D, Route de Drize 7 | CH-1227 Carouge
Tél : 022 379 01 07 | Web : www.unige.ch/energie

CYCLE DE FORMATION ÉNERGIE – ENVIRONNEMENT

SÉMINAIRE 2012-2013

**District Heating and Cooling: an opportunity for profiting from
local energy sources - 3 case studies**

Aleksandar IVANCIC

Aiguasol

jeudi 16 mai 2013 à 17h.15

SEMINAIRE EN ANGLAIS

Auditoire D 185 - Bâtiment D - Uni Battelle

7, route de Drize, 1227 Carouge

PROGRAMME DES PROCHAINES CONFÉRENCES :

Jeudi 30 mai 2013 à 17h15

Guillaume Planchot, IDEX SAS
« Ecoquartier de la ZAC Seguin en région parisienne : de l'aménagement
urbain à la planification énergétique »

L'orateur

Aleksandar Ivancic has a B.S. in mechanical engineering, and a Ph.D. in Thermal Science. His professional interest is focused on development and impacts of energy systems in urban environments. Alex is equally committed to teaching, researching, and practicing.

Alex is currently employed by Aiguasol Engineering (Barcelona, Spain) as a Senior Consultant. He also serves as the Expert Board Member of Skolkovo Innovation Center (Moscow, Russia) and a Member of the International Keio Institute for Architecture and Urbanism at Keio University (Tokyo, Japan).

He was the Scientific Director and a co-author of the Barcelona Energy Improvement Plan, a long-term strategic and implementation plan, establishing the framework for the energy policy adopted by the City Council in 2002. The Plan received the European Award “Climate Star 2002” from the Climate Alliance.

Alex has published more than fifty scientific and technical papers relating to energy systems, urban infrastructures, renewable energies, renewable integration in urban space, energy planning, heat and mass transfer and computational fluid dynamics. He also published the book titled EnergyScapes (2010 Gustavo Gili).

La conférence

The number of District Heating and Cooling (DHC) systems rose importantly in the last decade in Spain. The particularity of the new systems is the search for economic competitiveness together with the use of locally available, non-fossil energy sources. Within the conference, three outstanding large scale DHC projects are going to be discussed: Forum-22@ which operates using the heat coming from the solid waste treatment plant in Barcelona, Marina/Zona Franca which profits from a biomass plant and in the future from the residual coolness coming from a LNG evaporation installations in the Port of Barcelona, and Madrid's Chamartin Project which is foreseen to run with high efficient co/tri generation with inclusion of solar thermal technology.