

**The Institut Mines-Télécom and its partners  
invite you to**

## **The SUSTAINABLE ENERGY day of Futuring Cities**

**Tuesday October 7<sup>th</sup> - from 9 am to 5 pm  
46 rue Barrault, 75013 Paris**

**Sustainable energy will be the focus of the second scientific day of the “Futuring Cities” program dedicated to the future of cities and countries, which will take place next October 7<sup>th</sup> at the Institut Mines-Télécom.**

With the intensification of individuals’ consumption habits, the concentration of industry, the development of services (education, commerce, etc.) and ecological advances, we are facing a dual challenge of the depletion of energy resources and global warming. A transition is underway and will radically transform the way we live and consume as well as our energy needs and will initiate a process of adaptation to climate change. In this context cities have a role to play as they intensify and concentrate these phenomena and evolutions. This is why the Institut Mines-Télécom developed this research program involving local authorities, businesses and researchers.

**On this day, the Institut Mines-Télécom invites attendees to see how the research conducted in its graduate schools’ laboratories can gear these evolutions to more sustainable energy consumption through the three following themes: energy efficiency, renewable energies, and smart grids.**

**Researchers from Mines Albi-Carmaux, Mines Alès, Mines ParisTech, Télécom ParisTech and Télécom SudParis will contribute to the program for the Sustainable Energy day:**

- ✓ **9:30 – 10:00:** Presentation of the Futuring Cities initiative by Francis Jutand, scientific director of the Institut Mines-Télécom
- ✓ **10:00 – 12h15: Energy efficiency**
  - **10:00 – 10:40:** Buildings and neighborhood eco-design
  - **10:40 – 11:20:** Lifecycle analysis
  - **11:20 – 12:00:** Small system of energy efficiency
- ✓ **12:00 – 1:00: Lunch**
- ✓ **1:00 – 2:30: Smart Grids**
  - **1:00 – 1:40:** Cities & smart grids
  - **1:40 – 2:20:** Management and planning of distribution networks in the context of smart grids
  - **2:20 – 3:00:** Charging points for electric cars and payment methods; intelligent exchange points for a connected city
- ✓ **3:00 – 4:30: Renewable energies**
  - **3:00 – 3:40:** Analysis of the energy potential of a territory (wind, sun, etc.)
  - **3:40 – 3:50:** Towards a 100% RE (Renewable Energies) energy scenario
  - **3:50 – 4:30:** Biomass as a solution for waste processing?
- ✓ **4:30 – 5:00: Conclusion**

[Detailed program and free registration](#)

**Futuring Cities** is an initiative of the Institut Mines-Télécom (renowned for its network of top-level engineering graduate schools throughout France), intended for local authorities as well as for businesses that wish to fully embrace energy transition, ecological transition and the digital metamorphosis in order to tackle the challenges of today's and tomorrow's society.

**Futuring Cities' partners:** UFO, MOKA, Tactics and International Items

Find out more at <http://futuringcities.wp.mines-telecom.fr>

**About the Institut Mines-Télécom** [www.mines-telecom.fr](http://www.mines-telecom.fr)

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The Institut Mines-Télécom is a public establishment dedicated to higher education, research and innovation in the engineering and digital fields. It is made up of 10 Mines and Télécom "grandes écoles", under the aegis of the Minister for Productivity.

There are 2 subsidiary schools and 2 strategic partners and a network of 11 partner schools.

The Institut Mines-Télécom is nationally and internationally renowned for the high standard of its courses for engineers, managers and PhD students, and its research and innovation activities.

The Institut Mines-Télécom is a member of the Allistene, Aviesan and Athena national alliances for research planning. It maintains close relationships with the business world and has two Instituts Carnot. Every year, some one hundred start-up businesses are born.

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