

Lieu/Venue : Sciences-Po Lyon, 14 avenue Berthelot, Lyon 7^{ème}, Amphi Leclair



Par le Tramway/By Tram

- **Tramway T2 (arrêt/stop "Centre Berthelot").**
Arrêt situé juste en face de Sciences Po Lyon
Stop located in front of Sciences Po Lyon
- **Tramway T1 (arrêt "Quai Claude Bernard")**

Par le Métro/By Subway

- **Descendre à /stop at "Jean Macé"**
Environ 8 minutes de marche de Sciences Po Lyon. Vous pouvez également emprunter le tramway T2 en direction de "Perrache".
Around 8 minutes' walk to Sciences Po Lyon. You may also use Tram T2 direction "Perrache".

De/from "Perrache" (TGV, Tram, Métro)

Environ 10 minutes de marche de Sciences Po Lyon. Vous pouvez également prendre le T2 en direction de "Saint Priest-Bel Air".
Around 10 minutes' walk to Sciences Po Lyon. You may also use Tram T2 direction "Saint Priest-Bel Air".

L'entrée à la conférence est libre mais l'inscription est obligatoire :

<http://smartmob.sciencesconf.org/>

The access to the conference is free but registration is required at

<http://smartmob.sciencesconf.org/>



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International Conference
From Eco-districts to Smart Cities:
Which Role for Mobility?

Experimenting Smart Communities in Europe and Japan
Lyon Sept 16-17, 2015
Sciences-Po Lyon, Amphi Leclair

Free event
Registration required:
<http://smartmob.sciencesconf.org>

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Organized by:
The Institute of East Asian Studies, (CNRS-UMR5062, ENSL, Sciences-Po, Lyon2)
Transport Economics Laboratory, (CNRS-UMR 5593, Lyon 2 University)
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From Eco-districts to Smart Cities: Which Role for Mobility?

Experimenting Smart Communities in Europe and Japan

Attempts to create low carbon or more energy efficient cities are not new as evidenced by many sustainable or eco-districts achievements in various European countries. Japan too has seen several programmes to support the development of sustainable cities such as the “Demonstration of Next-Generation Energy and Social Systems” programme launched by the Ministry of Economy Trade and Industry (METI) which has given birth to “Smart Communities”. Under the supervision of NEDO, it has also initiated several experiments abroad including that of the Lyon Confluence district. Linking energy and urban challenges, “smart communities” experiments aim to test out technologies (including that of the smart grid) in limited areas, seeking ways to co-ordinate them while at the same time collecting data that will inform solutions which, ultimately, could be extended to cover entire cities.

Whilst the European experiments in Lyon, Malaga and Manchester are ongoing with NEDO support, the “Smart Communities” programme in Japan was set to end in March 2015. The purpose of this workshop is to present the Japanese Smart Community programme and discuss its main outcomes in the different areas of energy management, transport and mobility initiatives, comparing those outcomes with those in the Lyon confluence district as well as in other cities such as Malaga in Spain, Manchester in the UK and Los Alamos in the USA. The workshop will be based on the research conducted by IAO and LET within the framework of a PREDIT/ADEME programme.

Programme

2015, September 16th

9:30 Welcome coffee

10:00 Opening session

Chaired by Christine DETREZ (Deputy Director at Ecole Normale Supérieure de Lyon, Vice-Presidency of Research)

Welcome speech by **Ryuichiro KOBAYASHI**, Consul of Japan in Lyon

Opening words by **Pierre TAILLANT** (ADEME) and **Nicolas BAUMER** (Grand Lyon Métropole, head of the Lyon Confluence Smart Community project)

10:30 Session 1: General introduction: The energy transition in France and Japan

Chaired by Paul SCALISE (University of Duisburg-Essen, IN-EAST)

Patrick CRIQUI, (PACTE-EDDEN, CNRS, University of Grenoble): Technological, institutional and behavioural challenges for smart energy systems in the French energy transition

Yveline LECLER (University of Lyon-Sciences Po Lyon, IAO): Energy transition in Japan and the smart communities’ experiments

12:00 Lunch break

13:30 Key note speech: Takanori IIDA (Kyoto University, Graduate School of Economics):
The Demand Response in the Japanese Smart Communities and their results

14:15 Session 2: Smart communities and international cooperation

Chaired by Yveline Lecler (University of Lyon- Sciences Po Lyon, IAO)

Christophe DEBOUIT (NEDO Europe): Smart communities: from concept to implementation of international cooperation projects

Eymeric LEFORT (Grand Lyon Métropole): From sustainable actions plan and Energy Planning to the Lyon Confluence Demonstration, and in return

15:15 Session 3: Smart communities in Europe: objectives and challenges in Lyon Confluence

Chaired by Hervé RIVANO (INRIA, INSA Lyon CITI Laboratory/UrbaNet)

Jessica BOILLOT (Toshiba Systèmes France): Between Technology and Human Relationships: Toshiba, Helping to Build a Smart Community

Jérôme CLÉMENT (Bouygues Immobilier): Hikari, a group of mixed-use positive energy buildings (title to be confirmed)

Olivier DELASSUS (Proxiway): Sunmoov EVs carsharing system in Confluence

16:45 Coffee Break

17:00 Session 4: NEDO smart communities’ projects abroad: objectives and challenges in Malaga, Manchester and Los Alamos

Chaired by Charles RAUX (CNRS, Director of Transport Economics Laboratory, LET)

Ricardo J. GARCÍA COLINO (Mitsubishi): Zem2All, a successful Smart Community project in Malaga, Spain

Matt ROBERTS (Wigan and Leigh Homes): Smart Community Demonstration Project in Greater Manchester (UK)

Wenjie WANG (University of Kyoto): A Field Experiment on Dynamic Electricity Pricing in Los Alamos: Opt-in Versus Opt-out

2015, September 17th

9:30 Welcome coffee

10:00 Session 5: Smarts communities in Japan: objectives and challenges

Chaired by Helmut DEMES, (executive Director IN-EAST, University of Duisburg-Essen)

Benoit GRANIER (University of Lyon, IAO): Reducing peak consumption through social experimentation in Yokohama, Keihanna and Kitakyushu

Nicolas LEPRÊTRE (University of Lyon-ENS, IAO): The governance of smart communities’ demonstration projects in Japan: Case studies in Yokohama, Kyoto and Kitakyushu

Stéphane PÉAN (Toyota Motors Corporation): Toyota city Smart Melit project

12:00 Lunch

13:30 session 6: The role of electrical vehicles and new mobility services

Chaired by Lourdes DIAZ-OLVERA (MEDDE, Transport Economics Laboratory, LET)

Gregory NOBLE (Institute of Social Science, University of Tokyo): Building Infrastructure for next-generation vehicles in Japan

Takamasa AKIYAMA and **Hiroaki INOKUCHI** (Kansai University): Impact estimation of transport policies for low carbon society in urban area

Bruno FAIVRE D’ARCIER (University of Lyon-Lyon 2, LET): Electric vehicles and new mobility services in the Japanese Smart Communities

Gilles Vesco (Councilor Grand Lyon Métropole): Grand Lyon Strategy for Multimodal Information: the Optimod System

15:30 Coffee break

16:00/17:30 Final roundtable: From demonstration on a district scale to implementation on the whole city scale: how to manage the transition ?

Moderated by Bruno FAIVRE D’ARCIER (University of Lyon, Lyon 2, Transport Economics Laboratory, LET)

Panelists: Bruno CHARLES (Vice President, Grand Lyon Métropole), **Ricardo J. GARCÍA COLINO** (Mitsubishi *España*), **Takanori IIDA** (Kyoto University), **Alain KERGOAT** (Toshiba Systèmes France), **Matt ROBERTS** (Manchester), **Maxime VALENTIN** (SPL Confluence).