

Lieu : 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")**

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- **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



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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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

13:30 Opening Session

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 Smart Community project)

14:00 Session 1: general introduction: The energy transition in France and Japan

Patrick CRIQUI, (PACTE-EDDEN, University of Grenoble): Decarbonisation of energy systems, electrification of transports, and integrated local energy systems

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

Coffee break

15:30 session 2: The role of electrical vehicles and new mobility services

Gregory NOBLE (Institute of Social Science, The University of Tokyo): Infrastructure building for next-generation vehicles (EVs, FCVs) in Japan as both challenge and opportunity

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

Jean COLDEFY ou Pierre SOULARD: Lyon Optimod [to be confirmed].

9:00 Session 3: smarts communities in Japan: objectives and challenges

Key note speech: Takanori IDA (Professor, Kyoto University, Graduate School of Economics): The Demand Response in the 4 Japanese Smart Communities and their results.

Benoît 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

Coffee break

11:30 Session 4: smart communities and international cooperation

Christophe DEBOUIT (NEDO): smart communities' implementation abroad and the objectives of international cooperation [to be confirmed]

Eymeric LEFORT (Grand Lyon Métropole): From the Climate and Energy Plan to the Lyon Confluence demonstration

12:30 Lunch

13:45 Session 5: Smart communities in Europe: objectives and challenges in Lyon Confluence

Jessica BOILLOT, Toshiba: project presentation, estimates and preliminary results of energy conservation [to be confirmed]

Cécile AUBER (GrandLyon Habitat): "Cité Perrache" experiment

Olivier DELASSUS (Proxiway) and Laure FRABOULET (Cityway): Sunmoov EVs carsharing system in Confluence

15:15 Session 6: NEDO smart communities' projects abroad: objectives and challenges in Malaga, Manchester and Los Alamos

Jaime BRIALES (director of project at Malaga Municipal Energy Agency): Malaga smart community with NEDO, ZEM2All project (Spain), [to be confirmed]

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

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

Coffee break

17:00 /18:30 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, LET)

Panelists: Takanori IDA (Kyoto University), Karine DOGNIN-SAUZE (Vice President, Grand Lyon Métropole), Maxime VALENTIN or Benoit BARDET (SPLA) + to be confirmed: J. BRIALES (City of Malaga), Greater Manchester, Toshiba