

FINAL CONSULTATION EVENT: CPS INNOVATIONS FOR THE FUTURE

*INCREASING EUROPEAN TECHNOLOGY CAPABILITY
FOR CYBERSPACE ACTING ON THE PHYSICAL WORLD*

DATE: 12.09.2018

TIME: 10.00 - 17.00 H

PLACE: THALES RESEARCH & TECHNOLOGY – PALAISEAU, PARIS REGION

We have the pleasure of welcoming you to the finale of our CPS community events entitled “**Final Consultation – CPS Innovations for the Future**”. This is a significant event offering you the chance to become more informed and refine our currently derived priority needs to shape the development of CPS in the years to come. The consultation is taking place on **12 September 2018** (10:00 – 17:00), at THALES TRT, Palaiseau near Paris. It is preceded by a dinner cruise on the Seine. Please save the dates! **To reserve your places** for the cruise and consultation, simply email platforms4cps-arttic@eurtd.com.

The Platforms4CPS Consortium will present results, including **highlights derived from an analysis of the CPS domain and recommendations** to policy makers, CPS community, big and small industries and other stakeholders. In addition, there will be **keynote speeches** providing perspectives on **bridging with other technology classes** such as AI and IoT. There will also be examples provided of CPS technology integration and interspersed through the day opportunities to discuss and provide feedback.

Major topics will be highlighted for future research priorities and innovation strategies including:

- The technological challenges considering the foundations of advances in CPS engineering, CPS architectures and platforms as well as autonomy/AI, cybersecurity and human in the loop.
- The elaboration of a market and ecosystem analysis.
- The updates and validation on existing CPS roadmaps.
- The repository of building blocks.
- The creation of the ‘Platforum’ for knowledge exchange.
- The effective exploitation of emerging CPS relevant technologies.

With the aim to build consensus, raise awareness and foster a dialogue with society on societal and legal issues related to the deployment of CPS.

We count on your presence!

Participants to this consultation event are also invited to join the consortium on **11 September for a free-of-charge dinner cruise along the Seine**. More information will be provided in due course and when you have confirmed your attendance.

Please also spread the word to your contacts and within your professional network!

Looking forward to our next contact!
The Platforms4CPS Consortium

PRELIMINARY AGENDA

Final Consultation Event: CPS Innovations for the Future		
09:30	<i>Registration</i>	
10:00-10:20	Welcome and Introduction <i>Welcome and the aims of the day</i> <i>Introduction to Platforms4CPS</i>	<i>Charles Robinson, Thales</i> <i>Meike Reimann, Steinbeis 2i</i>
10:20-10:50	HORIZON Europe and EC General Vision including CPS	<i>Speaker to be confirmed (TBC)</i>
10:50-11:20	Market Landscape of the CPS Domain <i>Overview of the importance of key CPS markets for Europe</i> <i>Q&A session (10')</i>	<i>Haydn Thompson, THHINK</i>
11:20-11:40	<i>Coffee Break</i>	
11:40-12:10	Productive CPS Platform Building across Europe <i>Creation of a repository of building blocks for CPS technology providers and users</i> <i>Creation of a platforms forum for exchange of knowledge and identification of best practices,</i> <i>Q&A session (10')</i>	<i>Björn Sautter, Festo</i> <i>Martin Törngren, KTH</i>
12:10-12:40	CPS Roadmap and Recommendations for Future R&I Priorities <i>CPS roadmap and technology radar</i> <i>Recommendations for future research priorities and future innovation strategies</i> <i>Q&A session (10')</i>	<i>Meike Reimann, Steinbeis 2i</i> <i>Holger Pfeifer, Fortiss</i>

<p>12:40-13:10</p>	<p>Improving Collaboration and Clarity of CPS</p> <p><i>Contribution to consensus building and thus promoting longer term efforts and ecosystem building</i></p> <p><i>Activities with Programmes, Projects, the CPS Community and the Public.</i></p> <p><i>Q&A session (10')</i></p>	<p><i>Charles Robinson, Thales</i></p>
<p>13:10-14:00</p>	<p>Lunch</p>	
<p>14:00-15:40</p>	<p>Keynote Sessions on Bridging Technologies</p> <p>(For each presentation: 15' Presentation + 10' Q&A session)</p> <ul style="list-style-type: none"> ▪ Artificial Intelligence (AI) adoption by CPS ▪ Internet of Things (IoT) adoption by CPS ▪ Bringing co-engineering to CPS ▪ Energy challenges of computing for CPS systems 	<p><i>Speaker TBC</i></p> <p><i>Speaker TBC</i></p> <p><i>Speaker TBC</i></p> <p><i>Marc Duranton, CEA</i></p>
<p>15:40-16:00</p>	<p>Coffee Break</p>	
<p>16:00-16:45</p>	<p>Integrating Technologies for CPS</p> <p>(For each presentation: 15' Presentation + 5' Q&A session)</p> <ul style="list-style-type: none"> ▪ DEIS: Dependability Engineering Innovation for CPS ▪ BONSEYES: Artificial Intelligence Marketplace 	<p><i>Eric Armengaud, AVL/AT</i></p> <p><i>Itsik Arbel, NVISO</i></p>
<p>16:45-17:00</p>	<p>Wrapping-up session</p> <p><i>Key messages of consultation and additional questions</i></p>	<p><i>Haydn Thompson, THHINK</i></p>
<p>17:00</p>	<p>Closing of the event</p>	

ABOUT PLATFORMS4CPS

The Platforms4CPS project is a 24-month coordination and support action, co-funded under the European Union's H2020 Research and Innovation Programme in the area of Smart Cyber-Physical Systems. Taking up the results of its precursor Road2CPS, the project aims to carry out strategic action for future CPS through roadmaps, support of platform development and constituency building. Platforms4CPS is coordinated by Thales and supported by six other partners (Steinbeis2i, THHINK, Festo, KTH, fortiss and Systematic) from 4 European countries (France, Germany, UK and Sweden).

Cyber-Physical Systems are seen as essential for the future. As the embedded world meets the Internet world there will be an increasing number of interacting systems with strong connectivity utilised in both society and in industry. Platforms4CPS targets the transport, manufacturing, energy and health sectors. Europe is a world leader in the area of time-critical and safety-critical systems and to maintain this position there is a need to be able to design, develop and deploy highly distributed and connected digital technologies. Platforms4CPS thus aims to “create the vision, strategy, technology building blocks and supporting ecosystem for future CPS applications” with three key objectives to:

- Create a vision and strategy for future European CPS by analysing the ecosystem and market and strategically updating and validating existing CPS roadmaps across multiple domains
- Promote platform building, bringing together industry and academic experts and create a repository of CPS technology building blocks
- Build an ecosystem, cooperate on the foundations of CPS engineering, and build consensus on societal and legal issues related to the deployment of CPS.

SOCIAL ACTIVITY ON 11 SEPTEMBER 2018

Participants to the Platforms4CPS Consultation Event are invited to join the come-together dinner cruise on the Seine River (19:00 to 00:00) and meet in a very convivial atmosphere.

Please confirm your attendance to the free-of charge cruise when registering to the event.

Meeting Point: 19:00 at 210-215 Quai de Bercy – Paris 12th District – Boat name “EVASION”

Access:

- Bus: Line 24 – Stop at Terroirs de France
Line 62 – Stop at Dijon-Lacambeaudie
- Metro: Line 6 – Bercy Station
Line 14 – Cour Saint-Emilion Station
- Taxi: Possible Drop-off area near the boat





HOW TO GET THERE

VENUE

THALES RESEARCH & TECHNOLOGIES (TRT)

1, Avenue Augustin Fresnel
F-91127 Palaiseau
France

Contact details:

Tel.: +33 (0)1 69 41 55 00

GPS position:

N 48° 42' 52" - E 2° 12' 7"



HOTEL AND DIRECTIONS

Please note that TRT is situated in Palaiseau, about 20 km South from Paris.

We would recommend you the following hotels in Massy near the train and bus station or in Paris along the line B of the RER.

1) HÔTEL MERCURE PARIS MASSY****

Address:

21, avenue Carnot
F-91886 MASSY

Contact details:

Tel.: +33 (0)1 69 32 80 20

E-mail: H1176@accor.com

Web site:

<https://www.accorhotels.com/gb/hotel-1176-mercure-paris-massy-gare-tgv-hotel/index.shtml>

GPS position: N 48° 43' 40.60" E 2° 15' 53.68"



Price:

One night from 11/09 to 12/09 including
breakfast and taxes: beginning from 212,65 €

Access:

From airports with public transportation:
1:30 from Roissy Charles de Gaulle airport
25 minutes from Orly Ouest airport (with Orly
Val and RER B)



2) HÔTEL DU MIDI PARIS MONTPARNASSE***

Address:

4 Avenue René Coty

75014 PARIS France

Tel.: +33 (0)1 43 27 23 25

Email: info@midi-hotel-paris.com

Web site: <http://www.midi-hotel-paris.com/en/>

GPS position: 48°49'59.9"N 2°19'56.6"E



Price:

One night from 11/09 to 12/09 including breakfast and taxes: beginning from 134,00 €

Access

Link: <http://www.midi-hotel-paris.com/en/access>

From airports with public transportation:

45 minutes from Roissy Charles de Gaulle airport

30 minutes from Orly airport

Located 22 minutes from your social activity and 25 minutes from Massy train station (RER)

3) BEST WESTERN NOUVEL ORLEANS****

Address:

25 Avenue du Général Leclerc,

75014 Paris

Tel.: +33 (0) 01 43 27 80 20

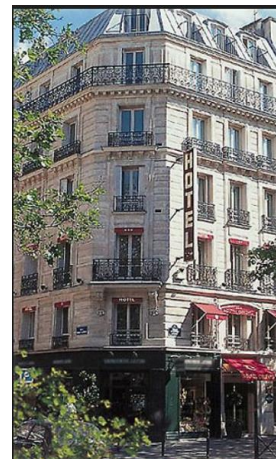
Email: nouvelorleans@aol.com

Web site: <https://www.paris-hotel-nouvelorleans.com/en/>

GPS position: 48°49'53.1"N 2°19'48.2"E

Price:

One night from 11/09 to 12/09 including breakfast and taxes: beginning from 205,00 €



Access

Link: <https://www.paris-hotel-nouvelorleans.com/en/pages/access-to-the-best-western-nouvel-orleans-montparnasse>

From airports with public transportation:

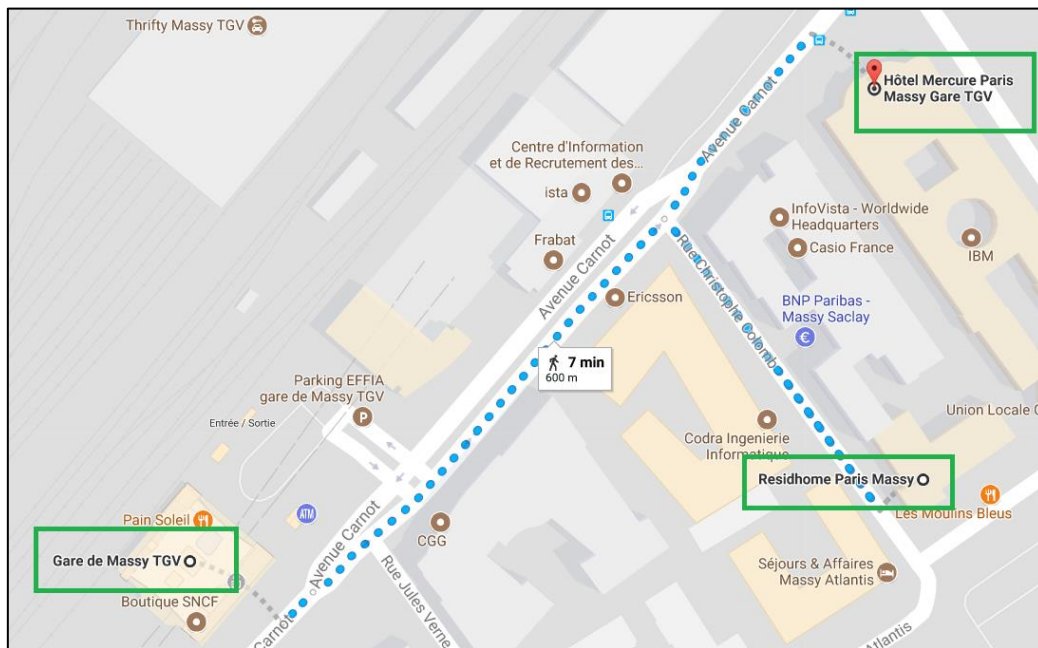
1:12 from Roissy Charles de Gaulle airport

47 minutes from Orly airport

Located 25 minutes from your social activity and 23 minutes from Massy Palaiseau train station (RER)

HOW TO GET FROM MASSY TO TRT

1. Once, you arrive at the RER station of Massy (*Massy-Palaiseau*), please take the way out “Bus – Bus Station Garnier / Gare Routiere”, take the stairs down and walk straight ahead.
2. Then, take bus n° **91.06** (direction: *Saclay Christ*), leaving next to the train station (see map below).
3. Get off the bus at *Fresnel* (7 stops; see map below).
4. The journey takes ca. 15 minutes; the bus leaves every 5-15 minutes.
5. For exact times, [check the online time table](#).



Bus stop 91.06 at Massy-Palaiseau train station (red arrow):





Bus 91.06 (Massy-Palaiseau – SACLAY Christ):

