



## 6G Wireless Foundations Forum

10-11 July 2023 | Sophia Antipolis, France

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Dear participants,

Please find the complete schedule, including the scientific program and the practical information for the social event organized. For your convenience, all the links refer to the places we meet, just click on them.

Looking forward to welcoming you very soon.

**The 6G WFF organizing team**

### DAY 0 - Arrival day

**9 July 2023**

- Welcoming reception at the Moxy Sophia Antipolis Hotel at 06:00 pm.  
[Access](#)

### DAY 1

**10 July 2023**

- **8:15 am - 11:50 am** | Welcome address and technical sessions  
Access [the Program-at-a-glance online](#) or see page 3.
- **12:15-1:30 pm**: lunch at the restaurant "[Le Provençal Golf](#)", nearby EURECOM.  
Note: French - Mediterranean menu for all attendees, vegetarian option possible for those who already mentioned it in the form. Please note that due to the number of attendees, no changes will be possible onsite.
- **1:45 - 4:40 pm**: technical sessions
- **5:30 pm** | Bus departure from EURECOM to [Cannes harbor](#) and boat cruise to [Nice harbor](#).  
Note: from Nice harbor to the restaurant Ruhl Plage: approx. 2 km walking, 25 min. See the route on Google maps: [Click here](#)
- **8:15 pm** | Cocktail and banquet at [Ruhl Plage, Nice](#)
- **11:00 pm**: bus departure.  
Meeting point: [Place Albert 1er / Verdun](#) bus stop. Please be on time, no other buses will be scheduled later.

In case you'd like to return back to Sophia Antipolis by your own, you will have the taxi or Uber options. Prices can vary a lot during summertime!

Important recommendation for the boat cruise:

- Take a sun cream/hat & a bottle of water and wear comfortable shoes (no high heels on the boat!).
- Take a jacket/scarf for the humidity/wind on the seaside.
- Duration: 1 hour approx. along the beautiful Riviera coast!
- In case of bad weather, the bus will go straight from EURECOM to Nice.

For people who suffer from seasickness: you can take public bus transportation to meet the group in Nice at the restaurant.

>> **From** Sophia Antipolis "[Les Templiers](#)" bus stop (100 m from EURECOM) - line 630 direction "Nice promenade"

>> **To** Nice "[Albert 1er / Phocéens](#)" bus stop (between Nice old town and the restaurant "Ruhl Plage".)

Frequency: every 15 min. Duration: 45 min approx. Ticket: 2,10 €/person

Note: the social event includes the bus, boat, dinner and the bus back to Sophia following this schedule.

>> **From Nice to Sophia Antipolis**, bus at 11:00 pm. Nearby the restaurant.

## DAY 2

11 July 2023

- **09:00 am-11:55 am:** technical sessions
- **12:15-1:30 pm:** lunch at the "Le Provençal Golf" restaurant nearby EURECOM.
- **1:50-5:45 pm:** technical sessions

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### Important locations :

- Nice international airport [website](#) and [location](#)
- EURECOM, Campus SophiaTech, 450 Route des Chappes, 06410 Biot [location](#)
- Moxy Sophia Antipolis Hotel, 4440 Routes Des Dolines Towards, Rte des Lucioles, 06410 Biot [location](#)
- Provençal Golf restaurant, 95 Av. Roumanille, 06410 Biot [location](#)
- Ruhl Plage, 1 Prom. des Anglais, 06000 Nice [location](#)

### Contact details during the 6G Wireless Foundations Forum

EURECOM - Campus SophiaTech, 450 Route des Chappes, 06410 Biot Sophia Antipolis, France - +33 (0)4.93.00.81.00 (08:00 am - 6:30 pm)

# PROGRAMME AT A GLANCE \*

\*Programme as of 22 June 2023.

Sunday 9 <sup>th</sup> - DAY 0			
6 pm	Welcome reception (Hotel Moxy Sophia Antipolis)		
Monday 10 <sup>th</sup> - DAY 1			
Time	Name/Affiliation	Theme	Talk Title
8:15-8:30 am	Conference Chairs		Welcome address
8:30-9:15 am	<b>KEYNOTE 1 Osvaldo Simeone (King's College London)</b>		<b>How To Know When You Don't Know: AI for Engineering and 6G</b>
9:15-9:40 am	Talk 1 Volker Ziegler (Nokia Bell Labs)	<b>6G killer apps</b>	Path to Metaverse ready networks and 6G
9:40-10:05 am	Talk 2 Antti Tölli (University of Oulu)	<b>6G killer apps</b>	Enhancing Extended Reality Experience with Location-Dependent Multiantenna Coded Caching
10:05-10:35 am	Coffee break and <b>Poster Session</b>		
10:35-11:00 am	Talk 3 Marco di Renzo (University Paris-Saclay – CNRS and Centrale-Supelec)	<b>Future antenna systems</b>	Spatial Multiplexing in Near Field MIMO Channels with Reconfigurable Intelligent Surfaces
11:00-11:25 am	Talk 4 Luca Sanguinetti (Pisa University)	<b>Future antenna systems</b>	Multiuser Holographic MIMO systems: What is the benefit of closely spaced antennas?
11:25-11:50 pm	Talk 5 Petros Elia (EURECOM)	<b>Future antenna systems</b>	VoD Folding in Networks
11:50-1:45 pm	Lunch (Restaurant <i>Le Golf</i> )		
1:45-2:30 pm	<b>KEYNOTE 2 Stefan Parkvall (Ericsson)</b>		<b>6G – the intelligent network platform of 2030</b>
2:30-2:55 pm	Talk 6 Carlo Fischione (KTH Royal Institute of Technology)	<b>AI &amp; 6G</b>	Computing Machine Learning and Other Functions Over-the-Air Using Digital Modulations
2:55-3:20 pm	Talk 7 Xavier Costa-Pérez (ICREA)	<b>AI &amp; 6G</b>	AI-driven O-RAN for 6G Systems: A Match Made in Heaven?
3:20-3:50 pm	Coffee break and <b>Poster Session</b>		
3:50-4:15 pm	Talk 8 Ana Perez (Centre Tecnològic de Telecomunicacions de Catalunya)	<b>Non-Terrestrial Networks</b>	The revolution of New Space towards next G communication networks
4:15-4:40 pm	Talk 9 Björn Ottersten (KTH Royal Institute of Technology)	<b>Non-Terrestrial Networks</b>	Low-Earth Orbit Satellite Constellations – A game-changer for global connectivity?

5:30-8:15 pm	Bus departure to Cannes harbor and boat cruise to Nice restaurant
8:15 pm	Cocktail and banquet

## Tuesday 11<sup>th</sup>- DAY 2

Time	Name/Affiliation	Theme	Talk Title
9:00-9:45 am	<b>KEYNOTE 3 Mérouane Debbah (Technology Innovation Institute)</b>		<b>Large Language Models for wireless: the next big thing?</b>
9:45-10:10 am	Talk 10 David Gesbert (EURECOM)	<b>Connected UAVs</b>	Robot-augmented data harvesting, sensing, and localization for 6G networks
10:10-10:35 am	Talk 11 Giovanni Geraci (Universitat Pompeu Fabra)	<b>Connected UAVs</b>	What will it take for wireless communications to conquer the sky?
10:35-11:05 am	<b>Coffee break 3</b>		
11:05-11:30 am	Talk 12 Petar Popovski (Aalborg University)	<b>Semantic communications</b>	On Goal-Oriented Communications with Queries
11:30-11:55 am	Talk 13 Aylin Yener (Ohio State University)	<b>Semantic communications</b>	Semantic Text Classification for 6G and Beyond
11:55 am-1:50 pm	Lunch (Restaurant <i>Le Golf</i> )		
1:50-2:35 pm	<b>KEYNOTE 4 Jean-Claude Belfiore (Huawei)</b>		<b>6G needs a toposic view of AI: languages, spaces of semantic information, equivariance, learning by concepts and logic</b>
2:35-4:05 pm	<b>Panel: The environmental sustainability of 6G</b>	Eric Hardouin (Orange), Philippe Ciblat (Telecom Paris), Cristina Cano (Universitat Oberta de Catalunya), Stefan Parkvall (Ericsson)	
4:05-4:25 pm	Coffee break		
4:25-4:50 pm	Talk 14 Henk Wymeersch (Chalmers University of Technology)	<b>Localization and sensing</b>	Radio Localization and Sensing towards 6G
4:50-5:15 pm	Talk 15 Stefano Buzzi (University of Cassino and Lazio Meridionale)	<b>Localization and Sensing</b>	Integrated Sensing and Communications aided by Reconfigurable Intelligent Surfaces
5:45 pm	Closing address		



## Sophia Antipolis local map



## French Riviera map

