

Call for Papers

WPW 2022

Wireless Power Week

July 4-9, 2022

Bordeaux, France

WPW2022* is the largest event in the world for wireless power research, covering a wide range of topics related to wireless power technologies across the electromagnetic spectrum.

Conference venue: Bordeaux INP

Jointly held with the Energy Harvesting Summit

Technical Areas

Technologies for wireless power transfer

- Near-field (inductive, capacitive) transfer
- Directional and omni-directional transfer
- Static and dynamic wireless charging
- Power management and power electronics
- Acoustic and optical techniques

Systems and circuits for wireless power transfer

- Coil, antenna, and array design
- Rectifier circuits and rectennas
- Backscattering, RFIDs, and electronic tags

Applications of wireless power transfer

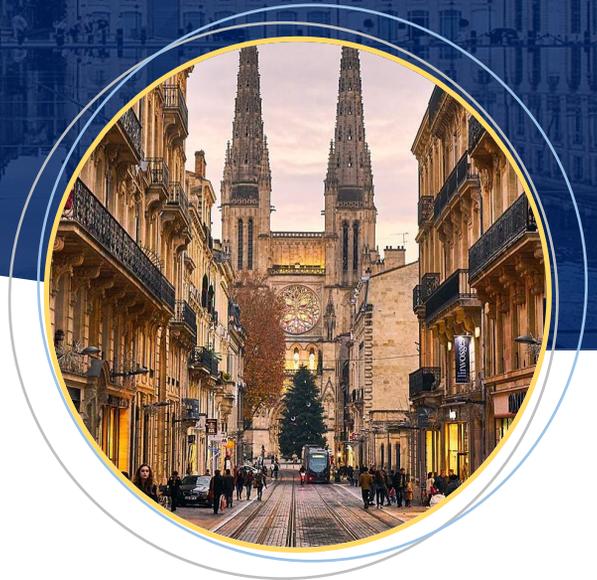
- Wearable and implantable devices
- Underwater and complex environments
- EMC/EMI and co-existence
- Standards, regulations, and biological effects

Energy harvesting and hybrid systems†

- Materials for energy conversion and storage
- Mechanical, thermal, and optical harvesters
- Micro- and nano- generators
- Hybrid energy harvesters
- Energy extraction and management circuits
- Battery-free systems and devices

* Formerly IEEE MTT-S Wireless Power Transfer Conference (WPTC) & IEEE PELS Workshop of Emerging Technologies: Wireless Power (WoW)

† Special joint session with the Energy Harvesting Summit



Important Dates

January 21, 2022 | Paper submission

March 18, 2022 | Acceptance notification

April 22, 2022 | Final paper submission

Organizing Committee

General Chairs

Simon Hemour, Univ. Bordeaux, France

Bruno Allard, AMPERE-Lab, France

Takacs Alexandru, LAAS-CNRS, France

Technical Program Committee Chairs

Paul Mitchelson, Imperial College, UK

Luca Roselli, Univ. Perugia, Italy

John S. Ho, NUS, Singapore

Website

www.wpw2022.org

Contact

contact.wpw2022@ims-bordeaux.fr





DESTINATION BORDEAUX

After a 15-year full makeover, Bordeaux, with its blonde stone façades, has recovered its 18th-century splendour, confirmed by the historic city centre's recognition as a UNESCO World Heritage Site in 2007. Besides being the World Capital of Wine, Bordeaux has become an international brand for tourism with almost 7 million visitors each year. An attractive city for business as well as for lifestyle.

1. AN EIGHTEENTH-CENTURY BACKDROP FOR A RESPONSIBLE AND CREATIVE TOWN

- Largest urban area classified by UNESCO with 347 monuments
- Must-see museums: Museum of the Sea and the Navy, MÉCA, La Cité du Vin, WWII submarine pen
- Urban and offbeat places, a breeding ground for street art & the new music scene
- 150 parks and gardens, pedestrianised town centre with calmed traffic
- Sustainable destination : 72% score (Global Destination Sustainability Index 2020)



2. A VARIETY OF EXPERIENCES AT YOUR FINGERTIPS

- Bordeaux is home to the largest vineyards in the world with 7,000 chateaux, the closest 15 minutes from town, reception facilities in the famous "Grands Crus Classés" wine properties
- In the heart of France's main forested region
- On the doorsteps of the Gironde estuary and less than an hour from the Atlantic Ocean, with the Arcachon Bay with the dune du Pyla, the highest sand dune in Europe at 105m



3. AN EPICENTRE OF THE ART DE VIVRE

- Bordeaux has the largest number of restaurants per capita in France with 1,600 restaurants
- Internationally renowned Michelin starred chefs - Philippe Etchebest, Gordon Ramsay, etc. - and the first ecolabelled starred restaurant, Le Prince Noir
- 65 designated wine appellations and specialties



4. ACCOMMODATION

Bordeaux offers a wide range of hotel accommodation, from charming vineyard locations to business hotels near the congress centres. **11,000 rooms** in over 200 hotels and residences ranging from one to five stars.

5. EASILY ACCESSIBLE

- International airport, +110 direct destinations including 15 international hubs
- Paris-Bordeaux in 2 hours by high-speed train, 33 journeys per day
- +60 visa exempt countries can visit Schengen area

EXCELLENT PUBLIC TRANSPORTATION

- 4 tram lines.
- 80 bus lines and water taxis along the Garonne River (BatCub)
- 1,125 km of cycle paths
- 179 bike-sharing stations (V3), with over
- 2 000 bicycles, half of which are electric



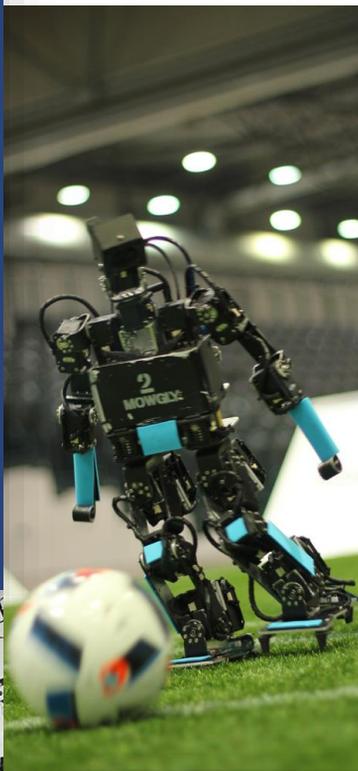
175,000
students



10,700
researchers



University
IDEX



ROBOCUP
BORDEAUX, FRANCE
COMING IN SUMMER 2023

6 – ICONIC CONVENTION DESTINATION

Bordeaux is a place for encounters and creation, a breeding ground for start-ups and cutting-edge industry, a platform for economic, industrial and scientific exchanges drawing on the dynamic sectors in the region. Competitiveness clusters bringing together industrial partners and researchers in the fields of aeronautics, lasers, agri-food, the wood industry and ICT for Healthcare.

- Ranked by the French as the number-one city to work in (source: Institut Think)
- N°1 city in France for employment growth in 2018
- French Tech Label, 4,700 companies and 22,400 jobs in the digital sector in the Bordeaux metropolitan area
- 3rd-ranked French city for digital business creation