

Franck Gascoin

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Professional Preparation:

Post Doc 2003-2005	Thermoelectric Materials	CALTECH NASA JPL (USA)
Ph.D., 2003	Solid State Chemistry	University of Notre Dame (USA)
B.S., 1995	Chemistry	University of Nantes (France)

Appointments:

Full professor 2020-present	Chemistry /Materials Science	University of Caen Normandy
Associate Professor 2009-2020	Chemistry /Materials Science	University of Caen Normandy
Associate Professor 2005-2009	Materials Science	University of Montpellier, France

RESEARCH TOPICS

- New materials for thermoelectric application
- Improvement of the thermoelectric properties by nanostructuring
- Relation structure/properties of intermetallic compounds made by fast synthesis techniques (microwave irradiation, Spark Plasma Sintering)
- Fabrication of new innovative thermoelectric composites
- Exploratory research of new Zintl phases

TEACHING

- Solid State Chemistry (Bachelor and Master degree)
- Electrochemistry (Bachelor degree)
- Advanced material chemistry (Bachelor and Master degree)

CURRENT DUTIES

- Assistant to the Dean of the department of Science (Université de Caen Normandie)
- Research group leader "Materials and Energy" Laboratoire CRISMAT
- Head of the master "Advanced Energy Materials" at Université de Caen Normandie

RELATED INTERNATIONAL SOCIETY & CONFERENCES EXPERIENCE

- Co-organizer of the symposium "Advancements in Thermoelectric Materials and Applications" du Material Research Meeting 2019 (MRS-Japan), Yokohama, 10-14 December **2019**

- **Organizer and conference chairman of ICT2018**, 37th International Conference on Thermoelectrics, **Caen, France, 1-5 July 2018**
- Co-organizer of the symposium “Thermoelectric materials for sustainable development”, **IUMRS-ICAM**, Kyoto, 27 Aug. – 1 Sept. **2017**
- Co-organizer of the symposium “Thermoelectricity”: **TMS2105** (Orlando), **TMS 2016** (Nashville) et **TMS2017** (San Diego), **TMS2018** (Phoenix), **TMS2019** (San Antonio), **TMS2020** (San Diego), **TMS2023** (San Diego), **TMS2024** (Orlando) and **TMS 2025** (Las Vegas).
- Advisory board member of the **4th Thermoelectric Conference Utilizing Waste Heat in Transport and Industry**, Berlin, 10-12 December **2014**
- Co-organizer of the symposium ZZ "Advances in Thermoelectric materials and devices for energy applications" **European MRS Bilateral Energy Conference**, Nice 9 – 13 May **2011**

STATEMENT OF CANDIDACY TO THE ITS BOARD

In an increasingly individualistic world, in a world in tension, it is very enjoyable to be part of an easy going and friendly community, that’s exactly what the thermoelectric community is and should remain in the future. A community that brings together people from all over the world and from diverse area of expertise, sharing their knowledge, their ideas, their culture.

My first ICT was in 2005 in Clemson, Terry Tritt was in charge, Thierry Caillat was the President of ITS, I was learning from the best and had found my place, I wanted to be part of this, I wanted to be an actor of this. Ever since, I attended all but one ICTs, I was elected in the board of director in 2013 and was appointed secretary in 2017. I became the President of ITS in 2019. I had the chance to organize ICT2018 in my town, and if it is often remembered because of the food that was served, it was also a scientific success with more than 630 attendees. One could say that it is time for me to step down, however, I would love to continue giving some of my time acting for the community, promoting the roles and goals of the ITS so that junior scientists eventually take over, helping PhD students to attend future ICT (waivers), strengthening our relationship with industrial partners (sponsors), assisting future ICT conference organizers, making sure our governing and funding institutions understand the role thermoelectricity may play regarding climate and environmental issues.

I look forward to this year ICT and to futures ICTs, “meeting old friends and making new one” is not only a saying!