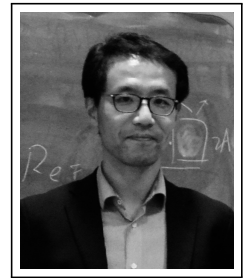


Xiaofeng Guo

Full Professor
Université de Paris

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📄 guoxfr.github.io/



Appointments

- 2021– **Professeur des Universités**, *IUT Paris Pajol*, Faculté des Sciences, Université de Paris.
- 2020–2021 **Délégation CNRS**, *Lab Interdisciplinaire des Energies de Demain, UMR 8236*, CNRS, Université de Paris.
- 2013–2021 **Associate Professor**, *Department of Energy*, ESIEE Paris, Université Gustave Eiffel.
- 2017– **Research Associate**, *LIED, UMR 8236*, CNRS, Université de Paris.

Education

- 2021.01 **HDR**, *Université de Paris*, Paris, France.
- 2013.09 **PhD**, *Université de Grenoble*, Chambéry, France.
- 2010.03 **MSc**, *Shanghai Jiao Tong University*, Shanghai, P.R. China.
- 2007.07 **BEng**, *Wuhan University of Technology*, Wuhan, P.R. China.

Pedagogical achievements

- 2021– **Professor of thermophysics**, *IUT Paris Pajol*, Univ de Paris.
 - Teaching technology Bachelor in Mesures Physiques incl. Photonics, Material properties.
 - Teaching Licence Pro TPE, MI and M2 IPE, heat transfers and applications.
 - Responsible for international exchanges.
- 2014–2021 **Coordinator Dipl. Ing. Energy**, *ESIEE Paris*, Univ Gustave Eiffel.
 - 50% Coordination of a 3-year teaching program with 20+ academic and industrial lecturers
 - Responsible for 12+ courses incl. new pedagogical practices & tutored project.
 - Confirmed success with number of students from 20 to 50 per promotion from 2014 to 2020
- 2013–2021 **Teaching Engineer (L3/M1/M2) courses (C/TD/TP)**, *ESIEE Paris*, Univ Gustave Eiffel.
 - Heat transfer, Thermodynamics, Solar thermal engineering, Numerical methods applied to energy, Computational fluid dynamics by ANSYS, Dynamic simulation by TRNSYS
- 2019– **Invited lectures**.
 - Energy audit in building and industry (8h), IMT Mines Douai
 - Urban hydrosystem - waste heat recovery (2h), ENPC

Research grants

Coordinator.

- SweetCities to RISE, scientific coordinator, I-SITE FUTURE AIMCI-2020 (Mobility funding), in collaboration with KTH, 16 200 Euros, 2020-2021
- AUE-EU-China "Advanced Urban Energy – an EU-China comparison", scientific coordinator, I-SITE FUTURE Mobility funding, in collaboration with Changzhou University, 16 200 Euros, 2019-2021
- SimSenseEnergie, scientific coordinator, I-SITE FUTURE, in collaboration with IFSTTAR Sense-City, 60 000 Euros, 2020-2021
- PHC Xu Guangqi, Data4EnerBat, with Shanghai Jiao Tong University, Ministère de l'Europe et des Affaires Etrangères, Campus France, 2018
- SATT IDF Innov, FLEXER, patent and maturation (23 000 Euros), 2018-2019
- EFFICACITY, funding by participative research indemnity, 50 000 Euros, 2014-2016
- ESIEE Paris, exploratory research starting grant, 3 000 Euros, 2014

Co-I or task responsible.

- HiReSoLo - High Resolution GIS DH Source-Load Mapping, resp. for French side topics, led by KTH and in collaboration with Nottingham Trent Univ, Energimyndigheten (Swedish Energy Agency), 2021-2023
- Wise Cities 3, resp. for bilateral research task "water-energy nexus", I-SITE FUTURE, 2019-2022
- ZeroCO2 TRIGEN (CCHP with net zero CO2 emission), I-SITE FUTURE, in collaboration with IFSTTAR Satory, 2019
- CEMIP GIP-CNFM, platform for electronic cooling, 13 500 Euros, 2016
- CEMIP FINMINA, platform for microstructural thermal properties characterization, 22 000 Euros, 2015
- EFFICACITY, building energy audit, 10 000 Euros, 2015

Awards and prizes

Scientific.

- Laureate of the **Jeunes Talents France Chine** program, Ministère d'Europe et Affaires Etrangères, 2018
- Second prize award, TMREES16 Int'l Conf. Fall Meeting, "Technologies and Materials for Renewable Energy, Environment and Sustainability", Paris, 2016.
- Best paper award, HEFAT2012, the 9th Int. Conf. on Heat Transfer, Fluid Mechanics and Thermodynamics, Session "Heat and Mass Transfer 6", MALTA, 2012.
- Tyco Intl. excellence scholarship, Shanghai Jiao Tong University, Shanghai, 2009

Entrepreneurial.

- UCS Urban Cooling Solutions, start-up initiation team member, 2020
- Grand Prix FUTURES Days, Urban Cooling Solutions (as one of the 4 team members), 2019
- Climate LaunchPad (prize for thematic Green City Solutions, KIC Climat), Urban Cooling Solutions (as one of the 4 team members), 2019
- Instructor of ESIEE team Mobiliteam, the top prize (10 000 Euros) winner of a world competition Decarbonathon, initiated by World Young Leaders and organised by ENGIE/NPL, Paris, 2016.

Services and committees

PhD committee.

- PhD advising committee (CSI), IMT Mines Lille-Europe, 19/11/2021 (Comité de Suivi Individuel (CSI), Masoud MOAZZEN)
- PhD defence examiner, Université Gustave Eiffel, 03/02/2022 (GAO Lan)
- PhD defence examiner, Université Gustave Eiffel, 10/12/2021 (SARKAR Sreyash)
- PhD defense evaluator, KTH Stockholm, Sweden, 17/12/2019 (Dr. Chang Su)
- PhD jury member, Université Paris Est, 18/05/2018 (Dr. Alain Pascal Goumba)
- PhD jury member, Université de Paris, 30/09/2020 (Dr. Chuanyu Zhang)

Committee members.

- Evaluation expert for EPSRC The Engineering and Physical Sciences Research Council of the UK, (2019, 2020)
- Evaluation expert for Polish National Science Centre NCN-Poland Grant call "OPUS 19", 2020
- Evaluation expert for ANR Agence Nationale de Recherche (2017)
- International Advisory Board, ATE-HEFAT conference (2021)
- Scientific committee member, FUTURE Days 2020, Université Gustave Eiffel
- Coordinator of task group "Energy" in EquipEx SenseCity (PIA2) (2018-)
- Member of Labex Futurs Urbains, GT Ville & Energie (2017-)
- EFFICACITY Institute of Energy Transition for Cities (PIA2, 2014-2016)

Scientific services.

- Scientific advisory board & Session chair, ATE-HEFAT 2021 conference
- Session chair, the 6th International Conference on Cryogenics and Refrigeration 2018 (ICCR2018), April 12-14, 2018, Shanghai
- Scientific referee for French SFT annual meetings, 2016/2017/2019/2020/2021
- Regular referee for Elsevier/Springer/ASME/AIP/Frontiers journals.
- Board editor member of "Frontiers in Built Environment"

Scientific outputs

PhD/Master training.

- PhD supervision : 2 completed, 2 ongoing
- Master thesis supervision : 9

Publication track, (full list at <https://guoxfr.github.io/publications/>).

- Journal articles : 23
- Issued patents : 5
- Conference papers : 27
- Google Scholar : h=11