

Brice Le Borgne

26 rue Pierre et Marie Curie

37100 Tours, France

+33 6 66 07 34 35

✉ brice.leborgne@univ-tours.fr

🌐 <http://brice.le-borgne.net>

30 years old

Associate Professor / Université de Tours

Work Experience

Sept. 2019 **Associate Prof.**, *Uni. de Tours*, Tours, France.

Present ○ **Teaching** Electrical Engineering (B. Eng Level) at *IUT GEII de Tours*.

○ **Researcher** at the GREMAN institute (CNRS lab.) - Investigation on porous silicon.

November 2017 **Postdoctoral Researcher**, *Uni. of Surrey*, Guildford, UK.

to August 2019 ○ Setting up organic TFT fabrication process with the use of Neudrive's FlexOS molecule.

○ Next Generation Paper : printed electronics on paper (EPSCR funded project).

Septembre **Postdoctoral Researcher**, *Uni. de Rennes 1*, Rennes, France.

2016 ○ **Research** on fabrication of integrated biosensors (ANR funded project).

à Octobre 2017

○ **Research** on flexible and printed electronics.

○ **Teaching** on Electrical Engineering (B. Eng and M. Eng Level). *Licence et Master*.

Education

2013 – 2016 **PhD Candidate**, *Uni. de Rennes 1*, Rennes, France.

Fabrication of sensors based on polycrystalline nano-objects

2012 – 2013 **Master's Degree**, *Uni. de Rennes 1*, Rennes, France.

Mechanical Engineering and Mechatronics

2009 – 2012 **Magistère Mechatronics**, *ENS Cachan - Bretagne*, Rennes, France.

Mechatronics : Electrical and Mechanical Engineering

Main publications

2020 **Water-Transferred, Inkjet-Printed Supercapacitors toward Conformal and Epidermal Energy Storage.**, *P. Giannakou, M.O. Tas, B. Le Borgne, M. Shkunov*, ACS Applied Materials Interfaces 12 (7), 8456-8465, 2020.

[Link](#)

2019 **Solvent transfer printing method.**, *M. Harnois, E. Jacques, B. Le Borgne.*, US Patent App. 16/480,465, 2019.

[Link](#)

2018 **Covalent functionalization of polycrystalline silicon nanoribbons applied to Pb (II) electrical detection.**, *B. Le Borgne, A. Girard, C. Cardinaud, A.C. Salaün, L. Pichon, F. Geneste.*, Sensors and Actuators B: Chemical, 268, 368-375, 2018.

[Link](#)

2017 **Conformal electronics wrapped around daily life objects using an original method: water transfer printing.**, *B. Le Borgne, O. De Sagazan, S. Crand, E. Jacques, M. Harnois.*, ACS applied materials Interfaces 9 (35), 29424-29429, 2017.

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