Dr. Yves Bellouard

Dr. Yves Bellouard is Associate Professor in Microengineering at Ecole Polytechnique Fédérale de Lausanne (EPFL) in Switzerland, where he heads the Galatea lab and the Richemont Chair in micromanufacturing.

He received a BS in Theoretical Physics and a MS in Applied Physics from Université Pierre et Marie Curie in Paris, France in 1994-1995 and a PhD in Microengineering from Ecole Polytechnique Fédérale de Lausanne (EPFL) in Lausanne, Switzerland in 2000. For his PhD work, he received the Omega Scientific prize (2001) for outstanding contribution in the field of microengineering for his work on Shape Memory Alloys.

Before joining EPFL in 2015, he was Associate Professor at Eindhoven University of Technologies (TU/e) in the Netherlands and prior to that, Research Scientist at Rensselaer Polytechnic Institute (RPI) in Troy, New York for about four years where he started working on femtosecond laser processing of glass materials.

His current research interests are on new paradigms for system integration at the microscale and in particular ultrafast laser-based methods to tailor material properties for achieving higher level of integration in microsystems, like for instance integrating optics, mechanics and fluidics in a single monolith. These approaches open new opportunities for direct-write methods of microsystems (3D printing).’