# Curriculum Vitae

**Name:** Cheng-Hsin Chuang
**Current Position:** Professor
Department of Mechanical Engineering
Southern Taiwan University of Science and Technology
**Professional Specialty:** MEMS Sensor Design & Fabrication
Microfluidics & Biosensor
Roll-to-Roll Imprinting Process (R2R Process)
Flexible Sensors and Actuator

**Professional Experiences:**

| | | |
|---|---|---|
| 08/2005~present | Professor | Southern Taiwan University of Science and Technology |
| 04/2004~07/2005 | Engineer<br>Electronics Research & Services Organization (ERSO) | Industrial Technology Research Institute (ITRI) |
| 06/2001~03/2004 | Postdoctoral Research Fellow<br>Micro/Nano Technology Research Center | National Cheng Kung University |
| 09/2008, 08/2013 | Visiting Professor | Kumamoto University, Japan |

**Personal Introduction:**

Cheng-Hsin Chuang received the B.S. degree and Ph.D. degree from National Cheng Kung University in 1995 and 2002, respectively, both in Civil Engineering. He then held Postdoctoral research scholarship with Center for Micro/Nano Science and Technology at NCKU, where he was in charge of the core facilities for MEMS fabrication and Nanotechnology. In 2004, he joined the Electronics Research Organization and Service (ERSO) at ITRI, where he conducted development of MEMS microphone and SAW based biosensor. Since 2005, he was recruited by Department of Mechanical Engineering and Institute of Nanotechnology at Southern Taiwan University of Science and Technology as an Assistant Professor. Now he is a full Professor and the Director of Roll-to-Roll Imprinting Center for Flexible OptoElectronics (RicFoe) and the Micro and Nano Sensing Technology Lab (**MANST** Lab). His research interests focus on flexible tactile sensor, Roll-to-Roll imprinting technology and DEP-based biosensor. He has published over **170** papers in different international journals and conferences and owned 20 patents in biosensor

and tactile sensor. For the academic service, he was recruited in several technical program committees such as International Conference on Sensing Technology (ICST 2008~2014), 2011 & 2013 IEEE International Instrumentation and Measurement Technology Conference and the Chair of 18$^{th}$ Nano Engineering and Micro System Technology Conference 2014. He also served as editorial board of Journal of Biosensors & Bioelectronics since 2012.