

Ass. Prof. Dr. Hsiu-Wei Cheng

Department of Chemistry, National Taiwan University
Nr. 1, Sec. 4, Rossevelt Rd, Taipei City, Taiwan

Date of birth: Jun 7th, 1986 (Taipei City, Taiwan)

Education

- 2004 - 2008 B.Sc., Chemistry, National Taiwan University, TWN.
2008 - 2010 M.Sc., Analytic Chemistry, National Taiwan University, TWN.
2013 - 2017 PhD, Chemistry, Ruhr University Bochum/Max-Planck-Institut für Eisenforschung GmbH, DE.

Professional Career

- 2013 – 2017 Graduate researcher, Max-Planck-Institut für Eisenforschung GmbH, supervised by Prof. Dr. Martin Stratmann (Stipend of International Max-Planck Research School)
2017 – 2017 Postdoctoral researcher, Technische Universität Bergakademie Freiberg with Prof. Dr. Markus Valtiner (Full contract)
2017 – 2021 University Assistant/Group leader of Interface Electrochemistry at Applied Interfaces Physics group, Vienna University of Technology with Prof. Dr. Markus Valtiner (Full contract)
2021 – now Assistant Professor, Department of Chemistry, National Taiwan University.

Scientific Focus

Material science, White Light Interferometry, Synchrotron X-ray techniques, Surface characterization, Interfacial science, Analytical chemistry, Electrochemistry, Ultrahigh vacuum technique, Instrument development.

Scientific Proposals

- 2017 – 2016 Beamline 21A single-season 2017-3 synchrotron proposal, TPS, NSRRC, TWN
2017 – 2016 Beamline 21A Multi-season 2018-3 till 2020-2 synchrotron proposal, TPS, NSRRC, TWN
2021 – 2024 General Research Project (New starting), PI, NSTC, TWN
2024 – 2026 General Research Project (New starting), PI, NSTC, TWN
2024 – 2026 Joint Developed Project, PI, TSMC, TWN
2024 – 2026 Academic Summit Program, Co-PI, NSTC, TWN

Synchrotron Researches

- ID 31, ESRF, Grenoble, France: [2016.02](#), [2017.02](#)
21A, TPS, NSRRC, Taiwan: [2017.12](#); [2018.05](#), [08](#), [12](#); [2019.05](#), [12](#)
P24, Petra III, DESY, Germany: [2019.06](#), [11](#)

Scientific Recognitions, Awards and Honors

- 2011 Junior Teaching Assistant Award, NTU
2013 Stipend of International Max-Planck Research School
2024 Excellence in Teaching Award, NTU