

Tongjai Chookajorn

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Khlong Luang, Pathum Thani, 12120 Thailand

Education

- PhD** Massachusetts Institute of Technology (MIT), Materials Science and Engineering 2013
Dissertation title: “Enhancing Stability of Powder-Route Nanocrystalline Tungsten-Titanium via Alloy Thermodynamics”
Minor in Chinese
- BS** Carnegie Mellon University, Materials Science and Engineering 2006
Graduated with honors
Three minors in Data Storage Systems Technology, Electronic Materials, and Manufacturing Engineering

Professional Experiences

- Senior researcher** 2021 – present
National Metal and Materials Technology Center (MTEC)
National Science and Technology Development Agency (NSTDA), Thailand
- Surface enhancement and advanced alloy materials
 - Data-driven manufacturing
- Committee and steering team** 2018 – present
Thailand Electroplating Industrial Network Association (TEPNET)
- Postdoctoral associate**, Massachusetts Institute of Technology 2014 – 2015
- Researcher** 2013 – 2020
National Metal and Materials Technology Center (MTEC)
National Science and Technology Development Agency (NSTDA), Thailand
- Synthesis and characterization of advanced alloy materials

Awards and Honors

- Young Thailand Metallurgist Award**, 13th Thailand Metallurgy Conference 2022
- Grant Awardee**, The e-Asia Joint Research Program 2021
10th Call for Proposals in the field of “Materials” on the topic of
“Materials Informatics and Advanced Material Research by Utilizing Computers”
- JSPS HOPE Fellow** 2018
10th HOPE Meeting with Nobel Laureates, Japan Society for the Promotion of Science (JSPS)
- Distinguished Thesis Award**, National Research Council of Thailand 2015
- Outstanding Presentation Award** (also Young Scientists’ Recommendation), 2014
4th Young Materials Scientists Workshop, World Materials Research Institutes Forum (WMRIF)
hosted by National Institute of Standards and Technology (NIST), USA
- Best PhD Thesis Award**, Department of Materials Science and Engineering, MIT 2014