



Prof. Heechae Choi

Department of Chemistry
Xi'an Jiaotong-Liverpool University, China



Heechae Choi, Professor at Department of Chemistry, Xi'an Jiaotong-Liverpool University (XJTLU).

Before he started to serve at Department of Chemistry, XJTLU, he had his first independent academic career as Group Leader (Principal Investigator) at Institute of Inorganic Chemistry, University of Cologne, Germany for 4.5 years. His main research area is atomic modeling and multiscale simulations for nanomaterial and semiconductor processing. He received his Bachelor and Doctoral degrees both from Hanyang University.

He founded two venture companies, Virtual Lab Inc. and Materials Lab (Mar.2016, Aug.2018), which provide materials simulation platform and consulting services to big manufacturing companies including Samsung Electronics, 3M, SK, MiCo, respectively.

Professional career

Jan. 2023 –	Professor, Xi'an Jiaotong – Liverpool University, China
Sep. 2018 – Dec. 2022	Group Leader (Independent P.I.) at University of Cologne, Germany
July 2018 – Present	CEO (Founder) at Materials Data Corp, Korea
Aug.2021 – Present	CSO at MOP, Korea
Mar.2022 – Dec. 2022	Visiting Professor at IIT-Madras, India
Mar. 2016 – June 2018	CSO (Founder) at Virtual Lab Inc., Korea
Mar. 2012 – Feb. 2016	Postdoctoral Researcher at Korea Institute of Science & Technology (KIST), Korea

Awards

Best One Thesis Award – Among 140 Ph.D. from Hanyang University, College of Engineering (Feb. 2012).

Best Thesis of Hanyang University Graduate School – Among 1800 graduates (Feb. 2012).

Excellence of postdoctoral researchers – KIST (Dec. 2014)

Important Grants

DAAD Grant (MOPGA-GRI), (Sep.2018-Aug.2022), 1Million Euro

Research Council of Fundamental Science and Technology (KRCF) (May2012-Apr.2015), 150Million KRW