



PLASTICITY CONTROL & MATERIALS ELECTROCHEMISTRY LABORATORY

School of Materials Science and Engineering, Yeungnam University, South Korea



Introduction

Plasticity Control & Materials Electrochemistry Laboratory (PCMEL) has focused mainly on both the fundamental issue and advanced breakthrough of light metal hierarchies for various industrial implementations. The current research combines the novel expertise in governing the electrochemical and mechanical responses by means of the cutting-edge technologies, such as differential speed rolling methods plasma electrolytic oxidation and. In addition, this research group takes a shot at developing the exceptional heat treatments that have been unexplored yet in the world. Thus, our vision is put beyond the world-class level, leading our promising graduate students to attend the international conferences as well as to publish the research results in highly-impacted journals.

Supervisor



Young Gun Ko

Position	Professor
Career	POSTECH / MIT
Publication	125 SCI international journals
Citation	2123 (by Google Scholar)
Patent	18 patents
Project	5 national projects
Presentation	230 times

Project/Funding



Research topic

- Fabrication of bulk nanostructured materials via advanced plastic forming
- Novel heat treatment for ferrous alloys with ultra-high strength and suitable ductility
- Structural and functional matters of protective metals via plasma electrolytic oxidation
- Development of hybrid organic-inorganic assembly for super-high performance coating

Researcher



Wail Al Zoubi
Professor



Hae Woong Yang
Combined degree



I Putu Widiyantara
Combined degree



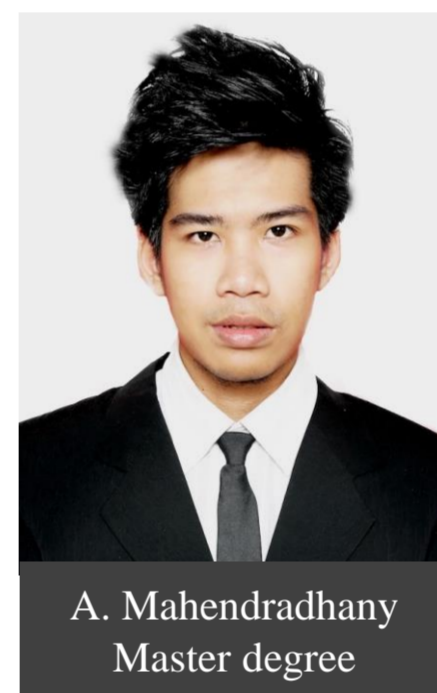
M. Prisla Kamil
Combined degree



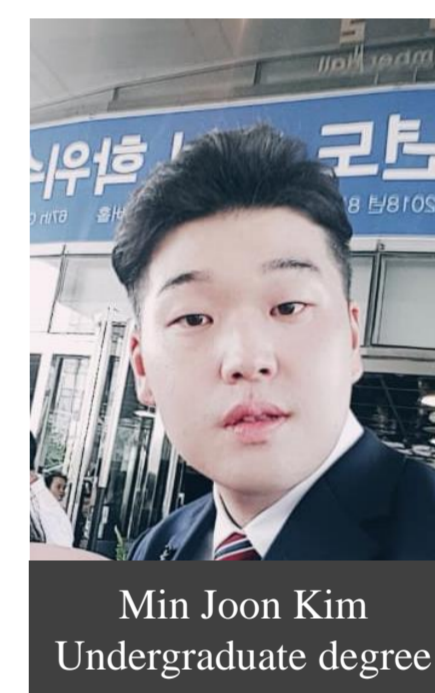
Siti Fatimah
Combined degree



Nisa Nashrah
Combined degree



A. Mahendradhany
Master degree



Min Joon Kim
Undergraduate degree



Dong Keun Yoon
Undergraduate degree

Alumni



Jordan Suharto
UI



Jae Sik Lee
Yeungnam University



Syarif Husein
UI



Dae Yeop Choi
Yeungnam University



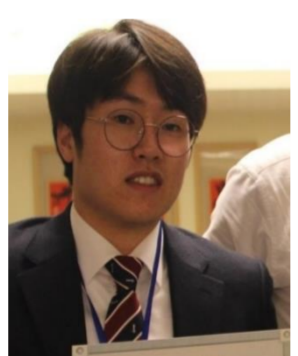
Loorentz
UI



Bastian Megantoro
UI



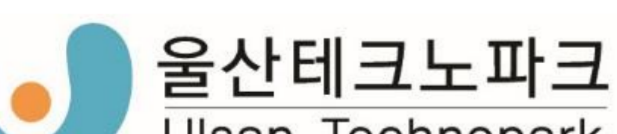
Joo Hyun Park
Yeungnam University



Jeong Hyeon Kwon
Yeungnam University



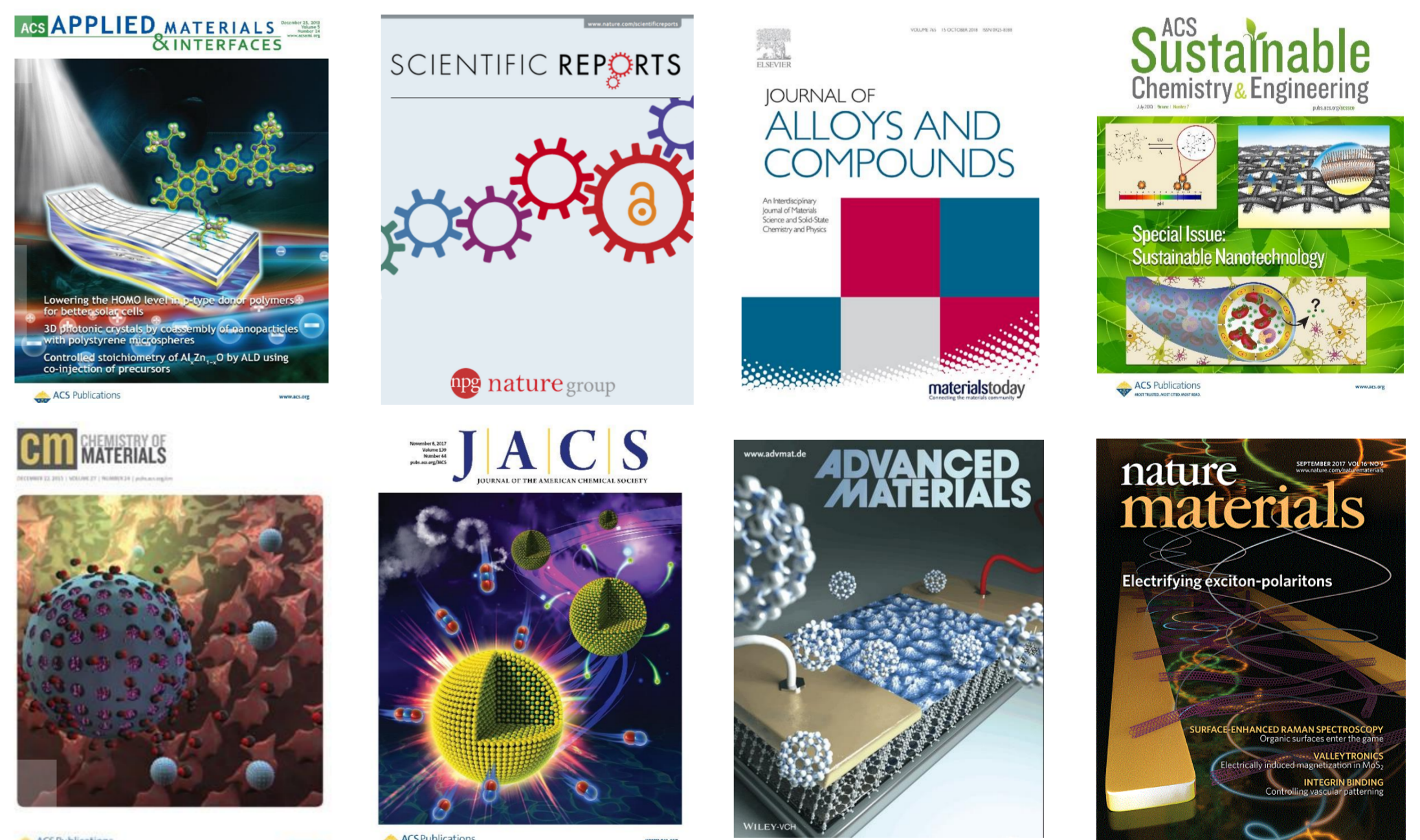
Yong Hwan Lee
Yeungnam University



Danasesha P. Putra
ITB



Highly-impacted journal



Group activity



APSMR 2015
Sun Moon Lake (Taiwan)



IWAM 2016
Gyeongsan (Korea)



Membership Training 2017
Jeju (Korea)



Campus life (Winter 2018)
Gyeongsan (Korea)



ISMANAM 2018
Rome (Italy)



Membership Training 2018
Pohang (Korea)

How to join

Master/Combined/Doctoral-degree courses

Major in Chemistry, Metallurgy, Physics, Engineering, etc.
TOEIC 800 / TOEFL PBT 590 / TOEFL IBT 95 / IELTS 7

For promising candidates who are interested in joining,
please contact **Nisa Nashrah** (nisanashrah@ynu.ac.kr)

Online Application : 4 Oct. ~ 30 Oct. 2018 !!