

## **Syarif Junaidi**

### **EDUCATION**

- Ph.D., Material Physics and Chemistry, Kyushu University, Japan, 2003
- M.S., Material Science and Engineering, Kyushu University, Japan, 2000
- B.S., Material Engineering, Kyushu University, Japan, 1998

### **ACADEMIC EXPERIENCE**

- University of Sharjah/United Arab Emirates
  - Associate Professor, 2015-present, Full Time.
- Universiti Kebangsaan Malaysia/Malaysia
  - Associate Professor, 2011-2014, Full Time.
  - Investigator, Advanced Materials Processing & Integrity, 2009-2014
  - Associate Senior Fellow, Institute of Fuel Cell, 2014
  - Senior Lecturer, 2007-2011, Full Time
  - Lecturer, 2005-2007, Full Time.
- Kyushu University/Japan
  - Research Fellow, 2003-2005, Full Time.

### **NON-ACADEMIC EXPERIENCE**

- JFE Steel Corp/Japan
  - Visiting Researcher, R&D staff, 9/2004-3/2005, Part Time.

### **CURRENT MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS**

- Member of the Malaysian Powder Metallurgy and Particulate Materials Association

### **HONORS AND AWARDS**

- Received an Award for The Most Excellent Research Group (Advanced Material Processing and Integrity Group) from Universiti Kebangsaan Malaysia (2011)
- Received an excellent service award from the Vice Chancellor of Universiti Kebangsaan Malaysia (2013).

### **SERVICE ACTIVITIES**

- Member of the College Student Discipline Committee (2017-2020)
- Member of the College Social Committee (2016-2017)
- Member of the College of Faculty Promotion Committee/University of Sharjah (2015-2016).
- Member of the College of Time Table Committee/University of Sharjah (2015-2016).
- Member of the College of Selection External Examiner for Graduate Student Thesis /Universiti Kebangsaan Malaysia (2012-2014)

### **PUBLICATIONS IN THE PAST FIVE YEARS**

1. K AlShuhail, A Aldawoud, J Syarif, IA Abdoun. (2021) Enhancing the performance of compressed soil bricks with natural additives: Wood chips and date palm fibers, **Construction**

**and Building Materials**, 295, 123611.

2. J Syarif, K Badawy.(2021) Computational Modelling of Cold Rolling of Ferritic Iron Containing  $\epsilon$ -Cu Precipitates, **Materials Today Communications**, 102253.
3. K Badawy, J Syarif. (2021) A multiscale approach for modeling metal laser welding, **AIP Advances**, vol.11(3), 035308.
4. K Badawy, M Hisham, S Junaidi. (2021) Analysis of Ultrashort Laser Pulses on Thin Metal Films Using the Hyperbolic Dual Phase Lag Model, **Computational Thermal Sciences: An International Journal**, vol.13 (3).
5. NFM Selamat, AH Baghdadi, Z Sajuri, S Junaidi, AH Kokabi. (2020) Rolling Effect On Dissimilar Friction Stir Welded Aa5083-Aa6061 Aluminium Alloy Joints, **Journal of Advanced Manufacturing Technology (JAMT)** , vol.14 (2) , pp.1.
6. J Syarif, M H Yousuf, Z Sajuri, AH Baghdadi, M Merabtene, MZ Omar. (2021) Effect of Partial Solution Treatment Temperature on Microstructure and Tensile Properties of 440C Martensitic Stainless Steel, **Metals** vol. 10 (5), pp. 694
7. NH Mat-Baharin, M Razali, S Mohd-Said, J Syarif, A Muchtar. (2020) Influence of alloying elements on cellular response and in-vitro corrosion behavior of titanium-molybdenum-chromium alloys for implant materials, **Journal of Prosthodontic Research**, vol. 64 (4), pp. 490.
8. Z Sajuri, NFM Selamat, AH Baghdadi, A Rajabi, MZ Omar, AH Kokabi, J Syarif. (2020) Cold-rolling strain hardening effect on the microstructure, serration-flow behaviour and dislocation density of friction stir welded AA5083, **Metals**, vol. 10(1), pp. 70

## RECENT PROFESSIONAL DEVELOPMENT ACTIVITIES

- Member of the Editorial Board for Journal of Engineering and Technology (JET), 13th June 2019 to present.
- Member of International Advisory Board of International Journal of Applied Research and Smart Technology

## RESEARCH PROJECTS

No	Code&Title	Role	Funding		Duration	Status
			Agency	Amount In USD	Begin – End	Completed /Expected
1	Metallurgy and High-Temperature Mechanical Integrity of Additive Manufactured 316L Stainless Steel	Investigator	MOE-Malaysia	40,000	2019	2021

2	1602040858-P  Investigation of quasicrystal compound formation of Fe-Cu alloy using Molecular Dynamic modeling and experimental analysis: toward application to a mesoporous layer in the third generation photovoltaics and solar absorber	Principal Investigator	UoS	23,000	1 March 2017	On Going
3	1602040832-P  Influence of Multiple Carbides on Nucleation and Grain Growth of Austenitic Grain in a Martensitic Stainless Steel: Enhancing Grain Refinement to Submicron Level	Principal Investigator	Seed Fund-UoS	12,000	1/5/2016	30/4/2018
4	ERGS/1/2012/TK04/UKM/02/5 Development of Fabrication Method for Porosity-free Beta type Ti-10%Mo-10%Cr Alloy as Novel Metallic Biomaterial	Project Leader	MOHE	19,000	01/06/2012 - 31/05/2014	Completed 31/05/2014