

INTAN FADHLINA MOHAMED

Senior Lecturer (Ir. Dr.)



RESEARCH

Expert in materials characterization, high-straining processes and failure analysis of metallic materials. Have 15 years experiences in failure investigation and standardization activities. Actively involves in forensic engineering consultations for government and non-government agencies. Current research interest in fatigue failure, superplasticity and corrosion of aluminum alloys processed by high-pressure torsion, high-pressure sliding and equal channel angular pressing.

ACADEMIC QUALIFICATIONS

- **B.Eng.** (Mechanical) Universiti Sains Malaysia (2000)
- **M.Eng.** (Mechanical) Universiti Kebangsaan Malaysia (2010)
- **Ph.D.** (Materials Eng.) Kyushu University, Japan (2015)

EXPERTISE

Severe Plastic Deformation
Materials Characterization
Nanostructured Materials
Superplasticity and Creep
Fatigue & Failure Analysis

RESEARCH GROUP

- Advanced Materials Processing & Integrity (AMPI)

For list of publications and current research grants, please click [UKM Sarjana](#).

[UKM Sarjana](#)

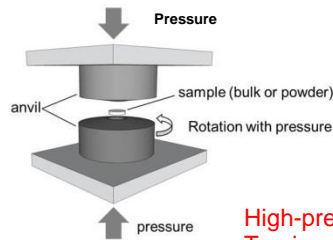
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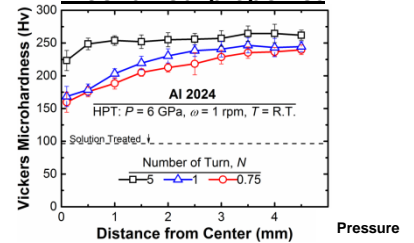
RESEARCH AT A GLANCE

Severe Plastic Deformation

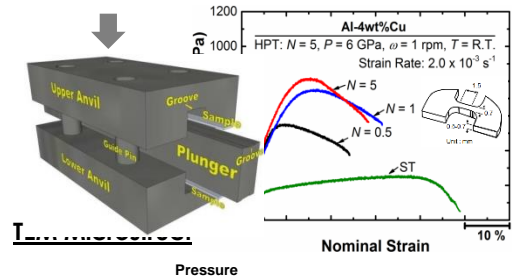


High-pressure
Torsion

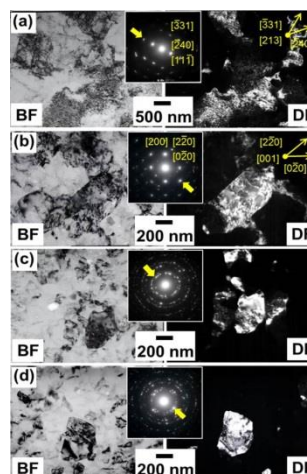
Mechanical properties



Pressure



High-pressure
Sliding



	(a) t = 30 min	(b) t = 4 h
Bright field		
Dark field		
SAED		