Dr Shei Sia Su

Research Fellow

School of Geography, Earth and Environmental Sciences

Contact details

Email susy@bham.ac.uk

School of Geography, Earth and Environmental Sciences
University of Birmingham
Edgbaston
Birmingham
B15 2TT
UK

About

Dr Shei Sia Su is a material scientist with broad research interests in nanoparticles synthesis, processing of novel and engineered nanoparticles, powder metallurgy and microstructural characterization. She joined the School of Geography, Earth and Environmental Sciences as research fellow, working with Professor Jamie Lead and Dr Isaac Chang on a NERC funded project, which aims to synthesis and characterize different types of nanoparticles and understand the impact of nanoparticles on health.

Qualifications

DPhil in Metallurgy and Materials, University of Birmingham, 2012

BSc (Hons) in Resource Chemistry, University Malaysia Sarawak, Malaysia, 2007

Biography

Shei Sia Su obtained her BSc (Honors) in Resource Chemistry from University Malaysia Sarawak, Malaysia in 2007. She worked as Associate Lecturer at Curtin University Sarawak before she was awarded an Overseas Research Scholarship to purse her PhD in Metallurgy and Materials at the University of Birmingham.

Research

Research interests

- Production and manufacturing of engineered nanoparticles
- Powder Metallurgy
- Light alloy development and thermal processing
- Microstructural characterization (SEM, TEM, EDX, XRD, AFM)

Publications

S.S. Su and I.T.H. Chang, **" Effect of Processing Conditions on Hypereutectic Aluminum-Silicon P/M Alloys",** World PM2010 Proceedings, Vol. 4, pp 49-57 (2010)

S.S. Su and I.T.H. Chang, **" Development of Hypereutectic Al-Si based alloys",** World PM2010 Proceedings, Vol.4, pp 58-62 (2010)

S.S. Su and I.T.H.Chang and C.H. Kuo. **" Effects of Processing Conditions on Hypereutectic Al-Si-Cu-Mg P/M alloys",** Materials Chemistry and Physics, Vol. 139 (2-3), pp 775-782 (2013)

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