Dr Noriko Read BSc, MSc, PhD

Research Fellow

School of Metallurgy and Materials

Contact details

Telephone +44 (0)121 414 7882 (tel:+44 121 414 7882)

Email n.read@bham.ac.uk (mailto:n.read@bham.ac.uk)

School of Metallurgy and Materials
University of Birmingham
Edgbaston
Birmingham
B15 2TT

About

About

Dr. Noriko Read is a research fellow in the School of Metallurgy and Materials. She obtained her PhD at Tokyo Institute of Technology in 2006. She has been a team member of the Advanced Material Processing group at the University of Birmingham since 2011.

Her current research area is additive manufacturing for aerospace components using Aluminium alloys and Nickel superalloys.

Qualifications

BSc (Eng.) in Engineering Materials Technology, Chiba University, Japan, 1999

MSc in Innovative and Engineered Materials, Tokyo Institute of Technology, Japan, 2001

PhD in Innovative and Engineered Materials, Tokyo Institute of Technology, Japan, 2006

Research

Selective laser melting (SLM)

Rapid heating /cooling effect for steel alloy

Microstructure observation for laser fabricated materials

Publications

S. Onaka, N. Kobayashi (maiden name) and M. Kato: Two-dimensional analysis on elastic strain energy due to a uniformly eigenstrained super-circular inclusion in an elastically anisotropic material. ***Mechanics of Materials***, *Vol. 34, 2002, pp117-125*

S. Onaka, N. Kobayashi (maiden name), T. Fujii and M. Kato: Simplified energy analysis on the equilibrium shape of coherent g' precipitates in g matrix with a super-spherical shape approximation. ***Intermetallics***, *Vol. 10, 2002, pp343-346*

S. Onaka, N. Kobayashi (maiden name), T. Fujii and M. Kato: Energy analysis with a superspherical shape approximation on the spherical to cubical shape transitions of coherent precipitates in cubic materials. ***Materials Science and Engineering A***, Vol. 347, 2003, pp42-49

E. C. Oliver, N. Kobayashi (maiden name), T. Mori, M. R. Daymond and P. J. Withers: Mechanical energy criterion for stress-induced martensitic transformation***. Scripta Materialia***, *Vol. 49, Issue 10, November 2003, Pages 1013-1019*

N. Kobayashi (maiden name), S. Onaka, T. Fujii and M. KatoMorphological stability of inclusions: two-dimensional analysis with a superelliptic approximation. ***Materials Science and Engineering A***, *Volume 392, Issues 1-2, 15 February 2005, Pages 248-253*

© University of Birmingham 2015