

Nasimul Alam Syed

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Date of Birth: 5th May 1975

Objective

Interested in a challenging career-path in innovative research and application of
Material Science and Engineering.

Qualification

Ph.D. (Submitting in the Current Academic Semester, Spring 2010)

Metallurgical and Materials Engineering, Indian Institute of Technology, Kharagpur, India.

MS, August 2001

*Materials Engineering (Electronic and Photonic Materials) University of Massachusetts, Lowell,
USA.*

B.Tech, May 1997

Metallurgical and Materials Engineering, Indian Institute of Technology, Kharagpur, India.

Work Experience

- * Assistant Professor, Lecturer, National Institute of Technology - Rourkela, Metallurgical and Materials Engineering. November 2009- Present.
- * Lecturer, National Institute of Technology - Rourkela, Metallurgical and Materials Engineering. July 2008-October 2009.

- * Lecturer, Birla Institute of Technology and Science-Pilani, Mechanical Engineering. December 2006-May 2008.
- * Teaching Assistant at University of Massachusetts, Lowell for the fall semester of 1999.
- * Joined Tata Iron and Steel Company on 1st July 1997, as Graduate Trainee. Worked as a Senior Officer (Graduate Trainee) for 10 months.
- * Undergone eight weeks training with Steel Authority of India Limited at its Durgapur Steel Plant, India.

List of Publications

1. Alam, S. N. (2006), Synthesis and Characterization of W-Cu Nanocomposites Developed by Mechanical Alloying, *Materials Science and Engineering A*, Vol. 433, No. 1-2, pp. 161-168.
2. Alam, S. N., Pabi, S. K. and Murty, B. S. (2004), Development of W-Cu Nanocomposites by Mechanical Alloying, *Microscopy and Analysis*, John Wiley and Sons Ltd., Vol. 18, No. 6, pp. 9-11.
3. Alam, S. N. (2007), Characterization of Tungsten Based Nanoparticles Prepared by Mechanical Alloying, *Microscopy and Analysis*, John Wiley and Sons Ltd., Vol. 21, No. 3, pp. 13-14
4. Alam, S. N. (2009), Scanning Electron Microscopical Analysis of Tungsten Incandescent Lamp Filament, *Microscopy and Analysis*, John Wiley and Sons Ltd., Vol. 23, No. 5, pp. 17-19.
5. Alam, S. N., Panda, P. K. and Singh, A. K. (2009), Heat, light and change in fine tungsten wire, *Metal Powder Report*, Elsevier, Vol. 64, No. 7, pp. 16-23.
6. Alam, S. N. and Pabi, S. K. Sintering Characteristics and Mechanical Properties of W-NiAl and W-Ni₃Al Nanocomposites Developed by Mechanical Alloying, *International Journal of Refractory and Hard Materials*, Elsevier Ltd., (To Be Communicated).
7. Text Book: "Material Science and Engineering of Beginners"- New Age International Publishers. (Under Preparation).

Awards and Achievements

- * Vijay Rattan Award, India International Friendship Society, 2005.
- * 3rd prize for poster presented at NESM Fall Symposium 2000 at Marriott, Newton, MA. “Microstructural Characterization of ARAS/Al-mirror and ITO thin films using TEM”, Syed N Alam, Tam Yau Chan, Changmo Sung.
- * Secured 4th position in district level symposium on ‘Atomic Energy and its Hazards’, (Midnapur district, West Bengal, India). It was organized by the Ministry of Science and Technology (West Bengal, India) and the Birla Foundation for Science and Technology.
- * Placed among the top 5% in Indian Association of Physics Teachers (IAPT) at the state level (West Bengal, India, 1993).

Seminars, Posters and Metallographs

- * Presented on ‘Study of Particle Redistribution during Remelting of Al/SiC (particulate) Composites’ in the Composite materials section of the 42nd Congress of Indian Society of Theoretical and Applied Mathematics held at South Gujarat University, India, during December 28-31,1997.
- * Presented poster at the MRS Fall 2000 meeting at Hynes Convention Center, Boston. “Microstructural Characterization of ARAS/Al-mirror and ITO thin films using TEM”, Syed N Alam, Tam Yau Chan, Changmo Sung.
- * Presented poster at NESM Fall Symposium 2000 at Marriott, Newton, MA. “Microstructural Characterization of ARAS/Al-mirror and ITO thin films using TEM”, Syed N Alam, Tam Yau Chan, Changmo Sung
- * Paper presented at The American Ceramic Society Meeting April 22-25, 2001 held at Indiana Convention Center. (A2C-01-2001) Interfacial Delamination Study of ITO and ARAS Thin Films by TEM. A.Syed, Rui Liu, C.Sung, Center of Advanced Materials, University of Massachusetts, Lowell, D.Lee, K.Woo, G.Yang Samsung Corning Korea

* Metallograph presented at 57th Annual Technical Meeting of The Indian Institute of Metals held at Science City, Kolkata on 14-16th November, and 2003. Title: Copper Flowers in Tungsten Garden. S.N.Alam, S.K.Pabi, B.S.Murty.

* Poster presented at International Conference on Nano Science and Technology, ICONSAT 2003, December 17-20, 2003 at Kolkata, India organised by Department of Science and Technology, Govt. of India. Title: Sintering Behaviour of W-based nanocomposites prepared by mechanical Alloying. S.N.Alam, S.K.Pabi, B.S.Murty.

* Poster presented at the 56th Annual Technical Meeting of The Indian Institute of Metals held at the M.S. University of Baroda on 14-17th November, 2002. Title: Development of W based Nanocomposites by Mechanical Alloying. S.N.Alam, B.S.Murty and S.K.Pabi.

* Poster presented at the Nano-2004, Kolkata, India. Title: Development of W based Nanocomposites by Mechanical Alloying. S.N.Alam, B.S.Murty and S.K.Pabi.

* Poster presented at the MRS 2004 Fall Meeting at Hynes Convention Center, Boston. Title: Development of W based Nanocomposites and Intermetallics by Mechanical Alloying. S.N.Alam, B.S.Murty and S.K.Pabi.

Membership in Societies

* American Society of Materials (ASM), USA.

* Materials Research Society (MRS), USA.