

Curriculum Vitae

Natthapong Phinichka

Assistant Professor

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- Education**
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| University of Cambridge (Aug 2002– Aug 2003)
Device Materials Group, Dept. of Materials Science and Metallurgy.
Worked under the supervision of Dr. Zoe Barber . | Cambridge, UK. |
| Carnegie Mellon University
Doctoral of Philosophy in Materials Science & Engineering | Pittsburgh, PA, US. |
| Carnegie Mellon University
Master of Science, Materials Science and Engineering. | Pittsburgh, PA, US. |
| Chulalongkorn University
Bachelor of Science, Materials Science | Bangkok, Thailand |
- Work Experience**
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| Western Digital (Dec 2007- May 2009)
Process Development Engineer
Device Technology Development: Reader Materials and Process Group | Fremont, CA, US. |
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- Scholarship**
- The Royal Thai Government Scholarship** (1996)
- A full Fellowship for pursuing M.S.- Ph.D. in Materials Science
- Book Chapter**
- **N. Phinichka**, P. Misra, Y.Fang and Alan W. Cramb: "*Initial solidification phenomena in The Casting of Steels*", Innovation and Excellence in Continuous Casting , 2nd ed., Stahl Eisen, 2003, P 65-78.
- Research & Publications**
- Yubonrat JATUPHAKSAMPHAN, **Natthapong PHINICHKA**, Kritsada PRAPAKORN and Mawin SUPRADIST, "*Pickling Kinetics of Tertiary Oxide Scale Formed on Hot-Rolled Steel Strip*", Journal of Metals, Materials and Minerals, Vol.20 No.1 pp.33-39, 2010
 - H. Todoroki and **N. Phinichka**, "*Heat Transfer Behavior of Molten Iron and Nickel during the First 0.2 seconds of Solidification*", ISIJ international Vol., 49 (2009) No.9, pp. 1347-1355

- R. Chandra, Davinder Kaur, Amit Kumar Chawla, **N. Phinichka**, Z.H. Barber, “*Texture Development in Ti-Si-N Nanocomposite Thin Films*”, Mat Sci Eng A 423 (2006), p 111-115.
- Davinder Kaur, Ramesh Chandra, **N. Phinichka**, Z.H. Barber, Texture Development in Ti-Si-N Nanocomposite Thin Films”, ICMAT2005, Singapore, 4 July 2005.
- **N. Phinichka**, R. Chandra, and Z. Barber, “*Ionized magnetron sputter deposition of hard nanocomposite TiN/amorphous- silicon nitride films*”, J. Vac. Sci. Technol. A, Vol. 22, No. 3, May/June 2004, pp.477-481.
- **Natthapong PHINICHKA**, Ramesh CHANDRA, and Zoe BARBER, “*Synthesized nanocomposite TiN/a-SiN_x films*”, J. of Metals, Materials and Minerals, 2003, vol.13, no.1 pp.7-15.
- R.Chandra, **N. Phinichka**, and Z.H. Barber, “*Synthesis of superhard nanocomposite coatings of Ti-Si-N by ionized magnetron sputtering*”, ICONSAT, Kolkata, India, 2003, p 231.
- P. Misra, **N. Phinichka** and A. W. Cramb: “*The Effect of the Presence of Liquid Films on a Copper Mold Surface on the Rate of Heat Transfer during the Solidification of Steel Droplets*”, ISS Transactions 2003, Iron and Steelmaker, Vol 30, No. 10, 2003,p 46-55.
- **N. Phinichka**, P. Misra, Y. Fang, and Alan W. Cramb, “*Initial solidification phenomena in the casting of steels*”, Proceedings of M. Wolf Memorial Symposium, Zurich, 2002, p 46-59. C.
- C. Orrling, Y. Fang, **N. Phinichka**, S. Seetharaman, and A.W. Cramb, “*Observing and measuring solidification phenomena at high temperatures*”, JOM-e, July 1999.