

CURRICULUM VITAE



Name : **DR. SWAPAN KUMAR SHEE**
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Education Qualification : **M.Sc, Ph.D.**
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➤ **Area of Teaching:**

- i) Physics
- ii) Solid state physics

➤ **List of research papers published:**

- i) B.Mahato, T.Sahu, S.K.Shee, P.Sahua, T.Sawaguchie, J.Kömif, L.P.Karjalainen, Acta Materialia, Simultaneous twinning nucleation mechanisms in an Fe-Mn-Si-Al twinning induced plasticity steel, 2017,
- ii) B. Mahato, S.K. Shee, T. Sahu, S. Ghosh Chowdhury, P. Sahu, D.A. Porter and L.P. Karjalainen, Acta Materialia, An effective stacking fault energy viewpoint on the formation of extended defects and their contribution to strain hardening in a Fe-Mn-Si-Al twinning-induced plasticity steel, 2015
- iii) H. Barman, A.S. Hamada, T. Sahu, B. Mahato, J. Talonen, S.K. Shee, P. Sahu, D.A. Porter, and L.P. Karjalainen, Metallurgical and Materials Transactions A, A Stacking Fault Energy Perspective into the Uniaxial Tensile Deformation Behavior and Microstructure of a Cr-Mn Austenitic Steel, 2014
- iv) P.Sahu, S.K.Shee, A.S.Hamada, L.Rovatti, T.Sahu, B.Mahato, S.Ghosh Chowdhury, D.A. Porter, L.P. Karjalainen, Acta Materialia, Low strain rate deformation behavior of a Cr-Mn austenitic steel at -800C, 2012
- v) P.Bose, S.K.Shee, S.K.Pradhan and M.De, Materials Engineering, Microstructural characterization and mechanical property of Cd-48.7 wt%Ag alloy, 2002
- vi) P.Bose, S.K.Shee, S.K.Pradhan and M.De, Materials Engineering, X-Ray characterization of microstructure and its correlation with mechanical property of CdAg alloys, 2001

- vii) S.K.Pradhan, A.Chanda, S.K.Shee, P.Bose and M.De, Materials Chemistry and Physics, X-ray studies on the kinetics of microstructural evolution of Ni₃Al synthesized by ball-milling elemental powders, 2001
- viii) H.Dutta, S.K.Shee, S.K.Pradhan and M.De, Materials Engineering, Correlation of microstructure with mechanical property of Cu-Mn-Zn alloys, 2000
- ix) S.K.Shee, S.K.Pradhan and M.De, Materials Chemistry and Physics, Effect of thermal stress on the microstructures of aluminum metal matrix composites, 1998,
- x) S.K.Shee, S.K.Pradhan and M.De; Journal of Alloys and Compounds, Effect of alloying on the microstructure and mechanical properties of Ni₃Al, 1998,
- xi) S.K.Shee, H. Pal, S.K.Pradhan and M.De Materials Engineering, Correlation of microstructure and mechanical properties of Cu-Mn-Si alloys, 1996

➤ **Associated with any other Organization:**

Life Member of Indian Physical Society (IPS)

➤ **Other Activities:**

- i) Programme Officer and Secretary, NSS unit, Midnapore College (2012-2015)

