

POSTER PRESENTATION
(Sunday, June 9th at 8:00 – 10:00 pm)

P1 - A Computational Approach for Point Defects in Aluminum Nitride

Y. Xu^{1,2}, J.M. Vail¹ and Q.C. Qiu²

¹University of Manitoba, Winnipeg MB

²Department of Physics, Lanzhou University, Lanzhou, PR China

P2 - A Process Model for the Continuous Annealing of Al-Mg Alloy AA5754

J. Go, W.J. Poole, M. Militzer and M.A. Wells

University of British Columbia, Vancouver BC

P3 - A Review of Chloride Hydrometallurgy Processes for Copper

J. Liddicoat and D. Dreisinger

University of British Columbia, Vancouver BC

P4 – Aluminide Layer Bonding in Ti-Ti Aluminide Laminated Metal-Intermetallic Composites

D.J. Goda¹, B. Li², N.L. Richards¹, W.F. Caley³ and M.C. Chaturvedi¹

¹University of Manitoba, Winnipeg, MB

²Lanzhou University, Lanzhou, China

³Dalhousie University, Halifax, NS

P5 - Comparison of the Interdiffusion Coefficient Measurements for Zinc in Liquid Tin by Shear Cell and Long Capillary Methods

Y. Jiao and J.R. Cahoon

University of Manitoba, Winnipeg MB

P6 - Corrosion of Titanium and Its Alloys at High Pressure and Temperature

J. Vaughan and A. Alfantazi

University of British Columbia, Vancouver BC

P7 - Cyclic Stress Strain Curves of Al-4.5wt % Cu Alloy in O-Temper and T6-Temper

A. Mohamed and M.N. Bassim

University of Manitoba, Winnipeg MB

P8 - Direct Observation of Spin Polarised Conduction Electron Tunneling LaSrMnO

L. Xi¹, S.H. Ge¹, X.L. Yang¹, H.P. Kunkel², X.Z. Zhou² and G. Williams²

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²Department of Physics and Astronomy, University of Manitoba, Winnipeg MB

P9 - Effect of Annealing Temperature on the Structure and Morphology of LiMn₂O₄ Synthesized by a Low Temperature Process

S. Sengupta, Raja Roy and A. McLean
University of Toronto, Toronto ON

P10 - Effect of Pultrusion on Fibre Properties in Glass Fibre Reinforced Plastic Composites

V. Venepalle
Concordia University, Montreal, PQ

P11 - Erosion-Corrosion Resistance of Select Materials in Potash Brine Environments

Y. Huang, S.N. Pang, I.N.A. Oguocha, S. Yannacopoulos
University of Saskatchewan, Saskatoon SK

P12 - Magnetic and Magnetostrictive Properties of Tb_{0.3}Dy_{0.7-y}Pry(Fe_{0.9}Al_{0.1})_{1.95} and Tb_{0.3}Dy_{0.6}Pr_{0.1}(Fe_{1-x}Al_x)_{1.95} Alloys

X. Zheng
Lanzhou University, Lanzhou, China

P13 - Microstructure of Intermetallic Composite Alloys in the Al-Mn-Ti System with High Ti Content

C. Chiu and R.A. Varin
University of Waterloo, Waterloo ON

P14 - Modeling of Hardening Induced by Copper Precipitation in Ferrite

M. Goune, P. Maugis and E. Pinto Da Costa

P15 - Nonlinear Dipole-Exchange Surface Spin Waves on Ferromagnetic Media

Y. Xu^{1,2}, G. Su³, D. Xue², W. Zou¹, F. Li²

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³Department of Physics, Graduate School, Chinese Academy of Science, Beijing, China

P16 - On the Atomic Theory of Solidification

J.R. Cahoon
University of Manitoba, Winnipeg MB

P17 - Plastic Strain Gradient in Bent Sheets

S. Saimoto
Queen's University, Kingston ON

P18 - Prediction of Creep Properties of Multidirectional Polymer Composites

M.A. Balachander and R. Jayaraman
University of Manitoba, Winnipeg MB

P19 - Recrystallization of Ferrite Phase and its Effect on the Austenite Formation in a Fe-C-Mn-Si Steel

J. Huang

University of British Columbia, Vancouver BC

P20 - Static SIMS Studies of Organic Molecules on Gold and Aluminum-Magnesium Alloy Surfaces

D.J. Miller, L. Sun, M.J. Walzak and N.S. McIntyre

University of Western Ontario, London ON

P21 – Studies on the Interface and Mechanical Properties of ZrO₂/CePO₄ Laminate Composite

B. Li, S. Liya, L. Xioazhen and Z. Shuihe

Lanzhou University, Lanzhou, China

P22 - TEM Observation of Cu and Fe after Irradiation by Femtosecond Laser Pulses

J. Yamanaka, Q. Liu, G. Weatherly and H. Haugen

McMaster University, Hamilton ON

P23 - Textural Implications of the Solution Multiplicity in Poiseuille Flow of Mesophase Carbon Fibers

L. de Andrade Lima

McGill University, Montreal PQ

P24 - The Effect of Substitutional Elements on the Growth Kinetics of Ferrite

F. Fazeli and M. Militzer

University of British Columbia, Vancouver BC

P25 - The Magnetic Moment Orientation of ⁵⁷Fe Atom in Fe Nanowire

J. Wang¹, Q. Liu¹, D. Xue¹, Z. Chen¹, F. Li¹, X.Z. Zhou², H.P. Kunkel², G. Williams²

¹Lanzhou University, Lanzhou, China

²University of Manitoba, Winnipeg MB

P26 - The Study of Tunneling Magnetoresistance Effect and Magnetic Properties in Co-MgF₂ Granular Films

J. Chi¹, S.H. Ge¹, C.M. Liu¹, H.P. Kunkel² and G. Williams²

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P27 - Thermomechanical Fatigue Behavior of Ni-Base Superalloy IN738LC

S. Yandt¹, J. Beddoes¹, P. Au²

¹Carleton University, Ottawa ON

²NRC, Ottawa ON

P28 - Thermomechanical Processing of Nickel

S. Lee, B. Guyot and N.L. Richards
University of Manitoba, Winnipeg MB

P29 - Thermophysical Property Determination of High Temperature Alloys

H. Saari¹, K. Jaansalu², W.T. Thompson² and J. Beddoes¹

¹Carleton University, Ottawa ON

²Royal Military College of Canada, Kingston ON

P30 - Transient Rheology in Flow Aligning Nematic Liquid Crystals

D. Grecov and A.D. Rey
McGill University, Montreal PQ

P31 - TLP Diffusion Brazing of Inconel 738 Superalloy

O. A Ojo, N.L. Richards and M.C. Chaturvedi
University of Manitoba, Winnipeg MB