

Abstract Submitted
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Mesoscopic Modelling & Spinterface¹ FATAHILLAH HIDAJATULLAHAJJ-MAKSOED², Prodi of Physics UI, Depok 16415- Indonesia, YUNILLA ZULFANIA,SE³, Faculty of Economics, University of Parahyangan, Bandung- Indonesia — Mesoscopic modelling of complex systems involves thermodynamics nonequilibrium of discrete scaling of entropy reduction + fluctuation, nonlinear dynamics & complexity of self-organized spatio-temporal structure – Zhonghuai Hou: “Nonlinear Dynamics & nonequilibrium Thermodynamics in Mesoscopic Chemical Systems”. “Electron exchange & electron – or phototriggered electron exchange which are 2 central topic in related fields of molecular magnetism & molecular spintronics through control of an external (optical, redox and/or magnetic) properties in te use of several physics (spectroscopies, magnetic, electrochemical and/or photochemical)”- Maria Castellano-SANZ : “Oxamato-based dicopper(II) metallo cyclophanes as Prototype of Magnetic Device for Molecular Spintronics”, Dissertation- 2013. Obeys analytical studies of common mechanism of previously named “spinterface” have been forecast through “mesoscopic physics of electrons & photons” from E. Ackermans & Gilles Montambaux of e.g the ability to control spin polarization coincides with electromechanical coupling effect between electric polarization & mechanical strain gradient.

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²To mechanical disturbance that propagates- HF Olster:”Music Physics Engineering”- 1967.

³Ever derived of ”Scale-invariant Properties of Public Debt Growth”- Petersen,et.al- 2010

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