Name : DIANA THONGJAOMAYUM
Date of Birth : 02/03/1987
Nationality : INDIAN
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Present position

Assistant Professor at Department of Physics, Tezpur University, Assam (2021)

Post-doctoral experience

Postdoctoral fellow at Institute for basic science, Daejeon, South Korea
(April 2017- April 2020)

PhD details

Field of Specialisation : Condensed Matter Physics (Theory)
Title of thesis : *"Studies in Nonequilibrium Statistical Mechanics"* submitted to North-Eastern Hill University (NEHU), Shillong, India (2016)
Supervisor : Prof. Prabodh Shukla

Educational Qualifications

Examination	Board/ University	Year	Division
HSLC	BSEM (MANIPUR)	2002	1st
HSSLC	CHSEM (MANIPUR)	2004	1st
B.Sc(H) PHYSICS	UNIVERSITY OF DELHI (MIRANDA HOUSE)	2007	1st
M.Sc PHYSICS	UNIVERSITY OF DELHI (MIRANDA HOUSE)	2009	1st

* Cleared CSIR-UGC JRF-NET in Physical Sciences (2010)

Research Publications :

1. *Effect of Coordination Number on Nonequilibrium Critical Point,* Diana Thongjaomayum(DT) and Prabodh Shukla, Phys Rev E 88, 042138 (2013)
2. *Nonequilibrium random-field Ising model on a diluted triangular lattice,* Lobisor Kurbah, DT and Prabodh Shukla, Phys Rev E 91, 012131 (2015)
3. *Hysteresis in Random-field Ising model on a Bethe lattice with mixed co-ordination number*, Prabodh Shukla and DT, J Phys A: Math. Theor. 49, 235001 (2016)
4. *Criteria for infinite avalanches in zero-temperature nonequilibrium Ising model on a Bethe lattice,* Prabodh Shukla and DT, Phys Rev E 95, 042109 (2017)
5. *Critical hysteresis on dilute triangular lattice*, DT and P Shukla, Phys Rev E 99, 062136 (2019) , P Shukla and DT, Phys Rev E 99, 062136 (2019)
6. *Surprising variants of Cauchy's formula for mean chord length*, P Shukla and DT, Phys Rev E (Rapid) 100, 050103 (2019)
7. *Taming two interacting particles with disorder*, DT, Alexei Andreanov, Thomas Engl, Sergej Flach, Phys Rev B 100, 224203 (2019)
8. *Multifractality of correlated two-particle bound states in quasiperiodic chains,* DT, Sergej Flach and Alexei Andreanov, Phys Rev B 101, 174201 (2020)

Talk and poster presentations:

- Invited talk on *"Avalanches in non equilibrium RFIM*", Institute of Physics, Bhubaneswar (2016)
- Seminar talk *"Statistical mechanics of avalanches"* at IBS, South Korea (2016)
- Poster presentation "*Taming infinite avalanche in RFIM*" at Indian Statistical Physics community Meeting, ICTS, Bangalore (2017)
- Poster on "*Neural network representation of quantum chain*" at Korean Physical Society, Daejeon (2018)
- Talk on "*Critical hysteresis on dilute triangular lattice*" at Korean Physical Society meeting, Daejeon (2019)

Schools attended :

- *Bangalore School on Statistical Physics -VI at RRI, Bangalore (2-18 July, 2015)*
- *ICTP-SAIFR School on machine learning for many-body physics, Sao Paolo, Brazil (2017)*
- *Minischool on entanglement and quantum phase transitions, APCTP, Pohang, South Korea (2017)*
- *Minischool on entanglement and topological phases of matter, APCTP, Pohang, South Korea (2018)*