

한국 물리학회 회보

2013. 04 제31권 제1호

2013년
봄 학술논문발표회
및 제89회 정기총회

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2013. 4. 24(수)~26(금)

KPS 한국물리학회
The Korean Physical Society

SESSION P1

통계물리학분과회
포스터 발표

2013년 4월 24일 수요일 13:00 - 14:45

장소: 포스터발표장

P1-F001

Jammed packing structure of 2D snowman-like dimer system /
HAN Youngkyu, LEE Juncheol¹, CHOI Q. Siyoung¹, CHOI Myung Cheol¹, KIM
Mahn Won(KAIST, Department of Physics. ¹KAIST, Department of Bio and Brain
Engineering)

P1-F002*

**Experimental Study of Fluctuation Theorem Using a Colloidal
Particle Under Optical Trap With The Strength Changing With
Time /** 박혁규, 이동윤, 권철안(부산대학교 물리학과, ¹명지대학교 물리학과)

P1-F003*

**Single-chain glass transition of polystyrene oligomer: Effect of
confinement and tacticity /** KIM Juin, KIM Hyungjun¹, JEONG
Hawoong, GODDARD, III William A.¹(KAIST, 물리학과, ¹KAIST, EEWS)

P1-F004*

Large-scale Analysis Of Human Diet In The Nutritional Basis / KIM
Seunghyeon, KIM Pan-Jun, JIN Yong-su¹, FOO Mathias(Emergent Dynamics
of Complex Living Systems, APCTP. ¹Institute for Genomic Biology, Illinois)

P1-F005*

**The Dynamics of Network Using Extreme Events in Financial
Market /** KIM Beom Jun, YI Il Gu, OH Gab Jin¹(Sungkyunkwan University,
¹Chosun University)

P1-F006*

Effect of Clustering on Spiking Variability in Scale Free Network /
KIM Junhyeok, LEE Dongmyeong, KIM Seunghwan(Pohang University of
Science and Technology, Dept. of Physics)

P1-F007*

Iterated Prisoner's Dilemma game with a limited memory / KIM
Young Jin, ROH Myungkyoon, SON Seung-Woo(한양대학교, 응용물리학과)

P1-F008

Prediction of Rank Evolution via Billboard "Hot 100" Chart / SOH
Hyungjoon, JEONG Hawoong(KAIST, Department of Physics)

P1-F009

Properties of Network Structure under an Achlioptas Process /
JO Woo Seong, YI Su Do, KIM Beom Jun, SON Seung-Woo¹(BK21 Physics
Research Division and Department of Physics, Sungkyunkwan University,
¹Department of Applied Physics, Hanyang University)

P1-F010

Transfer entropy를 이용한 지진 네트워크 모형 / 김엽, 권익현, 채희승,
육순형(경희대학교 물리학과)

P1-F011

Analysis of phase transitions in neural networks / 김경식, 백운학,
강덕두(부경대학교)

P1-F012

Study Of Interaction Between Traders In Artificial Stock Market /
임규빈, 오갑진, 김승환(포항공과대학교, 물리학과, ¹조선대학교, 경영학부)

P1-F013

**Information Process Overflow Of Schizophrenic Functional Brain
Network /** KIM Minkyung, SHIN Jeongkyu, KIM Seunghwan(Department of
Physics, Pohang University of Science and Technology)

P1-F014

Self-attracting walks on complex networks / KYOUNG Jaegu,
MAENG Seong Eun, LEE Jae Woo, LEE Deok-Sun¹(Department of Physics, Inha
University, ¹Department of Natural Medical Sciences, Inha University)

P1-F015

Introverts and extroverts in social networks / LEE Deok-Sun, LEE Jae
Woo, MAENG Seong Eun(Department of Physics, Inha University)

P1-F016

**Characteristics of relations between the particulate matter and
the meteorological factors /** 김경식, 강덕두, 이동인(부경대학교)

P1-F017

복잡계 그물망 위에서 Levy walker를 이용한 lamb-lion 모형 / 김엽, 박
현준, 최우식, 육순형(경희대학교)

P1-F018

**Coupling-Induced Population Synchronization in An Excitatory
Population of Subthreshold Izhikevich Neurons /** LIM Woochang,
KIM Sang-Yoon¹(Daegu National University of Education, Department of

Science Education. ¹LABASIS Corporation, Research Division)

P1-F019

Global Interaction Network of Human Gut Microbiota / SUNG Jaeyun, KIM Pan-Jun¹(Asia Pacific Center for Theoretical Physics, Pohang, Gyeongbuk, Republic of Korea. ¹Asia Pacific Center for Theoretical Physics, Pohang, Gyeongbuk, Republic of Korea; Department of Physics, POSTECH, Pohang, Gyeongbuk, Republic of Korea)

P1-F020

Effective simulation method for spin-1 Blume-Capel model / KWAK Wooseop(Department of Physics, Chosun University)

P1-F021*

Effect of Synergy on SIR Model in Modular Network / CHUNG Kihong, BAEK Yongjoo, KIM Daniel, HA Meesoon¹, JEONG Hawoong(Department of Physics, KAIST. ¹Department of Physics Education, Chosun University)

P1-F022*

Bimodality Coefficient as an Indicator of Phase Transition / BAEK Yongjoo, HA Meesoon¹, JEONG Hawoong(Department of Physics, KAIST. ¹Department of Physics Education, Chosun University)

P1-F023*

White x-ray induced fractal generation of silver nano-particles / JAE MYUNG KIM, SU YONG LEE, OKKYUN SEO, HYON CHOL KANG¹, DO YOUNG NOH(School of Materials Science and Engineering, Gwangju Institute of Science and Technology. ¹Department of Advanced Materials Engineering, Chosun University)

P1-F024*

도플러 진동측정기를 이용한 초파리 안테나의 비대칭 운동 연구 / 이우석, 김경중, 안강현, MHATRE Natasha¹, ROBERT Daniel¹, 이정마², 정연두²(충남대학교, 물리학과. ¹University of Bristol, Biological Sciences. ²서울시립대, 생명과학과)

P1-F025*

초파리 청각신호변환에서의 비대칭진동의 역할 / 김경중, 이우석, 안강현(충남대학교, 물리학과)

P1-F026

Self-avoiding Polymer in a Cylindrical Pore: Correlation between Structure and Dynamics / JUNG Youngkyun(KISTI)