

EIEE

2012 International Conference on Electronics Information and Electrical Engineering 2012 年电子信息与电气工程国际学术会议

<http://www.eiee2012.org>

June. 15-17, 2012 ChangSha, China



Conference Program Guide

Sponsors:

- Service Academy Conference Center
- Hunan University
- Inha University
- Nanjing university
- Chongqing University of Posts and Telecommunications
- Jiangsu University
- Xi'an University of Posts and Telecommunications



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Part I EIEE 2012 Conference Schedule

Registration June 15, 2012, Friday

Registration Time	Date	Location
8:30-17:30	June 15	HuaYue Hotel, meeting room on 16 th floor

June 16, 2012, Saturday

Time	Activity	Location
08:30-09:00	Opening Ceremony	HuaYue Hotel, meeting room on 16 th floor
09:00-10:20	Plenary Speech (1) Predator-Prey Evolution Strategy —for Solving Multi-Objective Optimization Problems Speaker: André A. Keller (Université de Lille Nord de France)	
	Plenary Speech (2) The development of humanoid robots and the latest technology Speaker: Jason Jiang (Aldebaran Robotics, France)	

June 16, 2012, Saturday

Time	Activity	Location
10:20-10:40	Coffee Break	HuaYue Hotel, meeting room on 16 th floor

June 16, 2012, Saturday

Time	Activity	Location
10:40-12:00	Oral Session	HuaYue Hotel, meeting room on 16 th floor

June 16, 2012, Saturday

Time	Activity	Location
12:00-13:30	Lunch Buffet	HuaYue Hotel, Dinning room on 3 th floor—Furong Room

June 16, 2012, Saturday

Time	Activity	Location
14:30-16:30	Poster Session	HuaYue Hotel, meeting room on 16 th floor

June 16, 2012, Saturday

Time	Activity	Location
18:30-20:00	Dinner Buffet	HuaYue Hotel, Dinning room on 3 th floor—Furong Room

June 17, 2012, Sunday

Time	Activity	Location
8:00	Tour	Shaoshan and Huaming Lou

Part II Plenary Speeches

Plenary Speech 1: Predator-Prey Evolution Strategy —for Solving Multi-Objective Optimization Problems

Speaker: André A. Keller, Université de Lille Nord de France

Time: 09: 00-09: 40, Saturday Morning, June 16

Location: HuaYue Hotel, meeting room on 16th floor

Abstract:

This paper introduces to a particular algorithm inspired from Nature for solving multi-objective optimization problems. The predator-prey strategy is used for finding Pareto optimal fronts. This is the first essential step in the decision-making process, in which the decision makers are confronted to multiple objectives. The computations have been carried out by using software packages, such as Wolfram *Mathematica*® and the GA-based optimization software packages GENOCOP III and NSGA II.

Plenary Speech 2: The development of humanoid robots and the latest technology

Speaker: Jason Jiang, Aldebaran Robotics, France

Time: 10: 00 -10: 40, Saturday Morning, June 16

Location: HuaYue Hotel, meeting room on 16th floor

Abstract:

Robot humanoid, the robot can meet the needs of modern society, the main development direction. Intelligent robotics involves multi-sensor fusion, mechatronics design, artificial intelligence, modern control science fields, it will become one of the most advanced technology in the 21st century. The following are included:

1. a humanoid robot technology to do a brief introduction, and the robot future development trends outlook.
2. 25 degrees of freedom NAO humanoid robot hardware system introduced.
3. the introduction of the NAO, a humanoid robot software development system.
4. combined with physical robots introduced NAO robots in research and teaching cases.
5. combined with the kind NAO Robot Applications in the daily lives of people.

Part III Oral Sessions Oral Sessions

Session chair: Yuan Zengmin, Changsha University

Location: Hua Yue Hotel, meeting room on 16th floor

10:40-12:00, June 16, Saturday

Paper ID	Paper Title	Author	Affiliation
51228	Operating Point Designing Method of Gate Unbiased JFET Amplifier	Yuan Zengmin	Changsha University
61127	Influence made by Background Harmonic Voltage on IHAPF and Its Solutions	Wei Zhao	Electric Power Research Institute of Guangdong Power Grid Corporation
51190	Rotor Position Estimation of PMSM at Low Speeds By High Frequency Signal Injection	Shiping Zhang	Hunan University
51202	Fast computation of the ionospheric currents using the method of elementary current systems	Jing-lian Liu	North China Electric Power University
51215	Design and Analysis of Dual Direction SCR ESD Devices in 0.5 μ m 5V/18V CDMOS Technology	Yang Wang	Xiangtan University
51214	Impact of Layout Skill to Improve ESD Holding Voltage of SCR Embedded Diode Structure	Acheng Zhou	Xiangtan University
51195	A Novel Photodiode for Ultraviolet Spectral Range	Yongjia Zhao	Xiangtan University
51186	An improved method for real-time camera video mosaic based on SIFT feature matching	Xu Jie	Xiangtan University
51193	A Single Photon Avalanche Diode fabricated in a standard CMOS process	Zhou Xiaoya	Xiangtan University
51227	Designing and Adjusting Methods of BJT Basic Amplifier	Yuan Xujin	Beijing institute of environmental characteristics
51170	Simulation of PMSM DTC System Based on zero-vector and Fuzzy PI Speed Controller	Wang Yanzi	Beijing Institute of Technology

Part IV Poster SessionsPoster

Location: Hua Yue Hotel, meeting room on 16th floor

10:40-12:00, June 16, Saturday

Paper ID	Paper Title	Author
61141	Connection Mode Construction of Team Integrating Teaching with Science Research ——Taking Ideological and political theory courses as an example	Liang Li
61120	Study of high phase order power transmission faults	Majinglan
51100	Ultra-speed ADC performance optimization research	CAI Chun-xia
81111	Cloud Computing-The Next Generation Support Technology of Relay Protection Setting Calculation System	Qin Zhao
51112	Wind Speed Forecasting in Wind Farm Based on Chaotic-RBF Neural Networks	Zhou Ling
51134	A scalable HCI reliability model for 40nm nMOSFET	Mengdi Zhang
50001	Equivalent model of three-phase five-column arc suppression coil based on SABER software	LI Xiaobo
51162	The Analysis of HRG Nature Frequency Affected by Temperature	WANG Xu
51163	Point Pattern Matching Algorithm Based On Point Pair Topological Characteristic and Probabilistic Relaxation Labeling	LU Chun-yan
51152	Fault Simulation and Analysis of the Protection of Regional Power Distribution Networks	WANG Zhan-sheng
61118	A New Method Based on DWT for Discrimination of Internal Fault and Its Type from Inrush in Transformer Differential Protection	WANG Zhi-ying
51138	The Research of Image Compensation of Staring Imager Based On Pointing Mirror	Chan Tan
71110	Application of adaptive neuro-fuzzy to the Virtual Maintenance Training Evaluation	Heping SHI
51131	A Heuristic Approach in Teaching Sensor Technology of Independent Colleges	Yemei Qin
51180	Wide Angle ISAR Imaging Based on Selecting Optimal Segment of Echo	Bin Yuan
51217	Target recognition from FLIR building images under complex background	Zhijun LI
51176	Research on Harmonic Positioning and Emission Level	Yang Jing
51188	Numerical Analysis of Frequency Electromagnetic Field of 500kV Substation	Xiaorui CHU
51197	Multi-Objective Optimal Sizing Of EV Battery-exchange Stations System With Photovoltaic Generation Using NSGA-II	Xiao Rui
51208	GPU-Assisted Correlators Applied in GNSS Software Receiver	CHENG Junren
51200	High dynamic range readout circuit with off-circuit data processing for linear infrared imaging system	Xia xiaojuan
51199	A Temperature-Stable CMOS Voltage Reference using depletion NMOS transistor	Xie Liang
71133	A New Method Was Used For Solving Linear Algebraic Equations Arising From Inexact Newton Method Applying To Power Flow Problems	Shi Ming Tian
51201	Photovoltaic Maximum Power Point Tracking System Based on Z-Source Converter	Li Yuan-song
51224	Detecting Method Of Positive-sequence Current And Negative-sequence Current In Electrified Railway Systems	TangWen-bo
71122	OOFDM transmission Technology and its Simulation	FENG Xian Jie
51205	Rrsearch on The applications of Bionic Algorithms to Protein Folding	Li Jing
71115	Design and Realization of an Less Power Electrical Source System on BUS	Qiong Shi
51103	Study and Implementation of 3D Scene Management and Real-Time Rendering Technology Based on OSG	Wei Qun
81106	Design and implementation of a large plane CMOS imaging system based on FPGA	Wei Zhou
71123	The model research of urban surface runoff attended to general factor and based on DEM	Zou yijiang
81137	Design and Implementation of Electric Power System Cloud Simulation Data and Compute Center	Li Ningbo

Paper ID	Paper Title	Author
81142	Capacity Coordination Research on Collection and Distribution System of Datong-Qinhuangdao Railway	Junqing Ye
81141	Security Requirement Demonstration of Modular Communication Equipment Based on the Grey AHP	Wen-yuan LI
71132	Self-healing Optical Current Transformer and Its Application in Smart Substation	YU Wen-bin
81140	The Design of Generator Bearing Temperature Monitoring System Based on Labview8.6	Peng Hu
81147	A Face Detection Method Based on Mixed characteristics	Zhang Jian
81161	Identification the power quality disturbance based on intrinsic modal characteristics energy	Li Liu
81162	The model of power system short-term load forecasting based on chaotic theory	ZU Zhe
81165	A PSO with highly-clustered scale-free neighbourhood and its application in unit commitment	Jing-rui Tang
81103	Bidding Evaluation of IT Project Based on Decision Tree	Yong HUA
81148	Application of the Projection Pursuit Technique in Evaluation of Computer Network Security	Yunlong ZHANG
71124	The Application of Video Traffic-incident Detecting Technology in Highway Tunnel Safety Monitoring	Chengzan Chu
71127	Research on Testing Index System of Electronic Toll Collection System Engineering	Yuxin Liu
51142	Model based on input-output structure of energy-saving potential of multi-objective optimization	Zhang zhigang
51101	A Kind of Noise Reduction Algorithms for Chaotic Signals Based on Wavelet Transform	Chen Yiping
61137	Study on One-step Singular Correlation Identifying and the Most Relevant Weighted Filtering for Images	Chao Liu
61119	Current status and Development Prospect of Electric Propulsion Technology	WU Chun
51174	The Application Of Bayesian Network On Mobility Predictions	Chen Zhongmin
51213	Simulation and Research of 400HZ Mediate Frequency Power Supply Based on Multiple Phase Shifting Superimposition	Liang Ling
51220	A food cold chain logistics distribution system based on grid technology	Liu Yu
51219	Quality tracking system of pharmaceutical cold chain logistics based on the Internet of Things	Tao Yumin
51106	The practice of Power fiber to the home socialization applications	NIU Ying-shui
81109	Based on ZL9101M load point (POL) power source design	Hu Yun
81120	Spares Consumption Quota Model based on BPNN and GM Combination Forecasting	GUO Feng
81164	Transient Stability Assessment of Power System Using ELM	Shang Zhang
51127	Multi-user resource allocation algorithm for OFDMA system	Le Yang
51110	A Study of Metal Forming with Finite Element Simulation	Chi-Chih Shen
51115	Application and Research of Static Security Check in FU-Jian Power System	YAN Cui-hui
61138	A Novel Evaluation Method for the Reliability of HVDC Transmission System	Yubin Sun
51196	A novel low power 8-bit Pipeline ADC	Jie Tang
51204	Research of the strategy to improve the Hadoop Distributed File System downloading performance	GE Junwei
61105	The Research and Development of the Substation Inspection Simulation System Based on Virtual Prototyping Technology	WANG Jian
51126	Forecasting short-term wind speed based on EMD and SVR	Yi Luo
51207	Reconfigurable Software Architecture of Embedded NC System with IEC 61499	Li Song
61133	Modeling and Simulation of Agent-based EV Group Involved in Frequency Regulation in PSASP	Quan Huixia
51101	A Kind of Noise Reduction Algorithms for Chaotic Signals Based on Wavelet Transform	Chen Yiping
51156	Evaluation analysis to the complexity significance and complexity grade of the electromagnetic environment on battlefield	CHI Jianjun

Part V Instructions for Presentations

Oral Presentation

Devices Provided by the Conference Organizing Committee:

- Laptops (with MS-Office & Adobe Reader)
- Projectors & Screen
- Laser Sticks

Materials Provided by the Presenters:

- PowerPoint or PDF files

Duration of each Presentation:

- Regular Oral Session: 15 Minutes of Presentation, 3 Minutes of Q&A
- Plenary Speech: 30 - 40 Minutes of Presentation, 5 Minutes of Q&A

Poster Presentation

Materials Provided by the Conference Organizing Committee:

- X Racks & Base Fabric Canvases (60cm×160cm, see the figure below)
- Adhesive Tapes or Clamps

Materials Provided by the Presenters:

- Home-made Posters

Requirement for the Posters:

- Material: not limited, can be posted on the Canvases
- Size: smaller than 60cm×160cm
- Content: for demonstration of the presenter's paper



Part VI Hotel Information and Contact Us

About Hotel: HuaYue Hotel

Huayue Hotel is located near to Changsha government, 15-min-drive to Changsha railway station and 30-min-drive to Huanghua international airport. The 22-storey hotel includes deluxe suite, business suite, suite and standard room. Chinese restaurant, multifunctional hall, lobby bar, cafe, KTV, beauty/hair salon, fitness, business center and conference room are all available.

Address: No.2, Step 1, M-Furong Road, Changsha City, P.R.C

Tel: (86) 0731-84815888

Traffic information:

- 4.5 Km to the city center
- 6.5 Km to the railway station
- 26 Km to the Huanghua Airport
- 7.5 Km to the Window of the world of Changsha

Please send me to: No. 2, Step 1, M-Furong Road, Changsha City, P. R. C, HuaYue HOTEL
请送我到: 湖南省长沙市芙蓉中路一段 2 号华悦大酒店

Contact Us

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