Anant Eungwanichayapant

Date of Birth: 09/05/1974, age 40
Nationality: Thai
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Specialities

Physics, High Energy Astronomy, Gamma-Ray Astronomy, Mathematical Modelling

Experience

2004 - Present	Instructor at School of Science, Mae Fah Luang University, Chiang Rai, Thailand
April - May 2009	Visiting researcher, Adelaide University, Adelaide, Australia
April - May 2007	Visiting researcher, Max-Planck-Institut für Kernphysik, Heidelberg, Germany
2003 - 2004	Postdoctoral, Max-Planck-Institut für Kernphysik, Heidelberg, Germany
1998 - 1999	Teacher assistant, Department of Physics, Chulalongkorn University, Bangkok, Thailand

Education

DR. RER. NAT. in Physics, Ruprecht-Karls Universität Heidelberg , Germany, 2003
M. Sc. in Physics, Chulalongkorn University, Bangkok, Thailand, 1999
B. Sc in Physics, Chulalongkorn University, Bangkok, Thailand, 1997

Languages

Thai: mother tongue
English: fluent

Software Skills

Programming: C, Fortran, Python, JAVA

Data Analysis: PAW

Conference Organizer

Mae Fah Luang International Conference 2016 (MFUIC 2016), 23-25 November 2016
The 14th International Annual Symposium on Computational Science and Engineering (ANSCSE 14), 24 - 26 March 2010

Research Projects

"Studying effects of UVB on yield and quality of Oolong tea" July 2008 - July 2010, Granted by Mae Fah Luang University
"Developing Energy-Saving Ceramic Furnaces for OTOP", March 2008 - October 2010, Granted by National Research Council of Thailand
"Observing electron/positron Pair Halos with X-ray", July 2007 - July 2009, Granted by Thailand Research Fund
"Studying effects of geographic, micro-climatic and agronomic factors on yield of Chiang Rai teas" , December 2005 - November 2006, Granted by Mae Fah Luang University

Patents

Eungwanichayapant, A., Mookam, T., Wattanasiriwech, S., and Chuychai, P., 2014 Double Wall Ceramic Kiln. Thailand Patent Application 1401004716 filed August 2014. Patent Pending.

Publications

Wikee, C., Chuychai, P., Ruffolo, D., Eungwanichayapant, A., and Matthaeus, W.H., "*Separation of Charged Particles to Their Initial Magnetic*", 1st Mae Fah Luang University International Conference (2012)

Wikee, C., Chuychai, P., Ruffolo, D., Eungwanichayapant, A., and Matthaeus, W.H., "*The Effect of Initial Pitch Angles of Charged Particles on Their Separation in The Simple 2D+Slab Magnetic Field Mode*l", 38th Congress on Science and Technology of Thailand. (2012)

Eungwanichayapant, A, W Maithong, and D Ruffolo. "*Synchrotron Radiation from Giant $e^{\pm}$ Pair Halos.*" *Proceedings of the International Astronomical Union* 7.S284 (2011): 417-419.

Chaleonloop, N., Satayopas, B., and Eungwanichayapant, A., "*City Bus Routing Model for Minimal Energy Consumption"*, As. J. Energy. Env. 11(01) (2010): 19 - 31.

Eungwanichayapant, A., and Aharonian, A., "*Very High Energy Gamma Rays from $e^{\pm}$ Pair Halos*." *International Journal of Modern Physics D* 18.06 (2009): 911-927.

Eungwanichayapant, A., and Aharonian, A., "*$e^{\pm}$ Pair Halos: A New Tool for Probing Extragalactic Background Light*", Proceeding of the 9th Asian-Pacific Regional Meeting (2005): 145 - 146.

Eungwanichayapant, A., and Aharonian, A., "*Computing $e^{\pm}$ Pair Halo Energy and Spatial Distribution with Monte Carlo Simulation*", Proceeding of the 9th ANnual National Symposium on Computational Science and Engineering (2005): 224 - 232.

Eungwanichayapant, A. "*Giant Pair Halos Surrounding Non-Thermal Extragalactic Objects.*" Ph. D. Thesis Ruprecht-Karls Universität Heidelberg (2003).

Eungwanichayapant, A. "*Particle Acceleration Mechanisms at Superluminal Shock*." M. Sc. Thesis Chulalongkorn University (1999).