



DEMONSTRATION SCHOOL,
UNIVERSITY OF PHAYAO



Current Position

Director

Demonstration School of the University of Phayao

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Demonstration School
University of Phayao
19 Moo 2, Pha hol Yothin Road,
Maega District, Phayao, Thailand

Awards

- NUQA Academic Staff of the Year 2004
- Excellent Academic Staff of the Year 2007

Specializations

- Physics
- Solar Energy
- Astronomy

Assoc. Prof. Dr. Chayan Boonyarak

Educations

- Ph.D. 1988 University of North Texas, U.S.A. (1982-1988) (College Teaching in Physics)
- M.Ed. 1972 Srinakharinwirot University, Bangkok (1970-1972) (Physics Ed.)
- B.Ed.(Hons) 1970 Srinakharinwirot University, Bangkok (Physics Ed.)

Position Experiences

- Oct.1.2025 - Present Acting Director, Demonstration School of University of Phayao
- Sep.23.2019 – Sep.20.2022 present Dean, School of Science, University of Phayao
- 2012 - 2019 Director, Demonstration School of the University of Phayao
- 2004 - 2012 Dean of the Faculty of Science, Naresuan University
- 1989 Associate Professor in Physics, Naresuan University
- 1989 – 1998 Chairman of Physics Department, Naresuan University
- 1988 – 1989 Vice Dean, Faculty of Science, Naresuan University
- 1985 – 1988 Teaching Assistant in Astronomy at Physics Department, the University of North Texas, U.S.A.
- 1982 – 1988 Studying for Ph.D. at the University of North Texas, U.S.A.
- 1980 – 1982 Chairman, Department of General Science, Naresuan University
- 1980 Assistant Professor in Physics
- 1972 - 1980 Lecturer in Physics Department, Naresuan University (Formerly Srinakharinwirot University at Phitsanulok campus)



Academic Experiences

1. Study Visit and Academic Collaboration with the University of Stockholm, Sweden and the University of Helsinki and the University of Jyväskylä, Finland between 31 August-5 September 2009.
2. Study Visit and Academic Collaboration with Sungki unkwon University (SKKU), South Korea. between January 16-20, 2009.
3. Study Visit and Academic Collaboration in Medical Science with Dresden University in order to set fundamental courses for faculty of medicine. Dresden, Germany between August 25-31, 2008.
4. Study Visit and Academic Collaboration with the University of Southern California, U.S.A. and The University of Calgary, Canada between June 13-22, 2008.
5. Study Visit and Academic Collaboration. A with the University of Science. (TUS), Japan between May 22-28, 2008. Use the Drawing Tools tab to change the formatting of the sidebar text box.
6. Study Visit and Academic Collaboration. A with Curtin University of Technology and the University of West Australia, Australia between May 13-18, 2008.
7. Study Visit and Academic Collaboration with the Centre of Theoretical and Applied Ecology (C.E.T.A.) and International Centre of Theoretical Physics (ICTP), Trieste, Italy supported by ICTP Scholarship between October 3-17, 2007.
8. Academic Collaboration with Universite du Maine and Universite de Franche-Comte, France between May 20-25, 2007.
9. Participation in The 1st IEEE/IES Conference on Digital Ecosystems and Technologies, held by Curtin University in Cairns city, Australia between February 18-28, 2007 in order to prepare to be the host of the 2nd IEEE/IES Conference will be held by Naresuan University in 2008.
10. Research data collecting in Auckland University, Auckland and Academic Collaboration with Canterbury University, Christchurch and Mt. John Observatory, Lake Tekapo, New Zealand between 14 May-12 June 2006.
11. Study Visit in research of science and technology at Peking University and Chinese Academy of Sciences, Beijing, People's Republic of China between May 27-31, 2007.
12. Astronomical data collecting at National Astronomical Observatory, Xinglong Station and special lecture on Astronomy on Thailand at Beijing Normal University, Beijing, People's Republic of China between May 31-15 June 2007.
13. Study Visit and Academic Collaboration with Oregon State University, Oregon, University of North Texas Health Science Center at Fort Worth, Texas, and Florida Atlantic University, Florida, U.S.A. between 11-22 February 2006.



Academic Experiences

14. Study Visit and Academic Collaboration in research and Ph.D. study at Universite de Franche-Comte, France, York University, and University of London, UK. Between 17-19 October 2005.
15. Astronomical researching and data collecting at Kitt Peak Observatory, National Optical Astronomical Observatories (NOAO) Tucson, Arizona, U.S.A. between 14 May-10 November 2003.
16. Study Visit at Seoul University, Seoul, South Korea between 13-19 January 2002.
17. Astronomical data collecting at Gunma Observatory, Gunma, Japan between 11 July-3 September 2002.
18. Variable Stars data collecting at National Astronomical Observatory, Xinglong Station, Beijing, People's Republic of China between 5 September - 7 October 1999.
19. Astronomical Research at Landesternwarte Heidelberg-Konigstuhl Observatory, Heidelberg, Germany between 1 May-31 July 1998 scholarship from DAAD, Germany Government.
20. Study Visit in science education at Institute of SEAMEO RECSAM, Malaysia between 31 March-5 April 1997. Study Visit and Research at Wuppertal University, Wuppertal, Germany between 1 December 1992-31 January 1993 scholarship from DAAD, Germany Government.

Publications

1. Boonyarak, Chayan; Fu, Jian-Ning; Khokhontod, Pongsak and Jiang, Shi-Yang. On the period variations of several low declination high amplitude delta Scuti variables. *Astrophysics and Space Science*. (January, 2011). (Impact Factor 2009 : 1.404).
2. C. Boonyarak, P. Khokhontod and S-Y Jiang. The Period Variation about the Double Mode High Amplitude Delta Scuti Variable VZ Cnc. *Astrophysics and Space Science*. (September, 2009). (Impact Factor 2008 : 1.283)
3. Fu, J. N.; Zha, Q.; Zhang, Y. P.; Chen, L.; Poon, H.; Marak, K.; Boonyarak, C.; Khokhontod, P.; Su, J.; Li, Y.; Zhang, C.; Jiang, S. Y. (March 2009). Pulsations and Period Changes of the SX Phoenicis Star DY Pegasi. *Publications of the Astronomical Society of the Pacific*. Volume 121, issue 877, pp.251-259. (Impact Factor 2008 : 3.737)



Publications

4. Fu.J.N., Khokhontod, P., Rodriguez, E., Boonyarak, C., Marak, K., Lopez-Gonzalez, M.J., Zhu, L.Y., Qian, S.B. and Jiang, Y. (2008). Detection of a Degenerate Companion of the SX Phoenicis Star KZ Hydrae by Studying its Long-Term Variability. *The Astronomical Journal*.Vol.135 : 1958-1967.
(Impact Factor 2007 : 4.854)
5. Fu, J. N., Zhang, C., Marak, K., Boonyarak, C., Khokhontod, P. and Jiang, S. Y. Variability Study of the SX Phoenicis Star BL Camelopardalis. *Chinese Journal of Astronomy and Astrophysics*. (April, 2008). Vol.8 No.2 : 237-244.
(Impact Factor 2007 : 1.768)
6. Boonyarak, C. and Yang Jiang, S. The period variation of DY Hercules. *Astrophysics and Space Science*. Vol. 310, (2007):285-291. (Impact Factor 2005 : 0.771)
7. Chayan Boonyarak and Pongsak Khokhontod. Seeing Test at Samorkraeng Mountain, *NU Science Journal* 2006. 3(1) : 29-37.
8. Helmut A. Abt and Chayan Boonyarak. Tidal Effects in Binaries of Various Periods *The Astrophysical Journal*. 616, 2004 November 20. :562-566
9. Helmut A. Abt and Chayan Boonyarak. What Kinds of Astronomical Papers are Still Referenced 50 Years after Publication?, *Jouranal : BAAS*, Vol 36, 5/2004. 868-870
10. Helmut A.Abt and Chayan Boonyarak. The Scientific Output of the International Ultraviolet Explorer during Its Lifetime, *Journal : BAAS*, Vol. 35, 1446-1447, 2003.
11. A.-Y. Zhou, S.-Y. Jiang, C. Boonyarak, and B.-T. Du. Amplitude and Period Changes in the SX Phoenicis starXXCygni, *Astrophysics and Space Science* 281: 699-714, 2002.
12. Shi-Yang Jiang and Chayan Boonyarak.On the Period Variation of Short Period Pulsating Variables, *Proceedings of Fourth East-Asian Meeting on Astronomy: Observational Astrophysics in Asia and its Future*, Febuary3-10, 1999 pp.221-226. Yunnan Province, China.
13. ChayanBoonyarak. Observation of Active Galactic Nuclei (AGN) at Landessternwarte Heidelberg- Koenigstuhl, Germany, *Naresuan University Journal*, ISSN 0858-7418 Vol.6 No.2 July-Dec. 1998 pp.52-58.
14. Chayan Boonyarak and Others. Basic Research in Total Solar Eclipse on October 24, 1995, Bangkok Planetarium, Science Center for Education, The Ministry of Education, Thailand 1996 pp.47-48
15. ChayanBoonyarak. Statistical Characteristics of Solar Radiation for Phitsanulok Province, *Naresuan University Journal*, ISSN 0858-7418. Vol.6 No.1 Jan-Jun, 1998 pp.1-The study was supported by National Research Council of Thailand (NRCT) in the academic year of 1995.



Publications

16. ChayanBoonyarak and Others. Development of Production Process in Drying Seasonal Fruits at Industrial Scale Using Solar Energy Dryer, Physics Department, Naresuan University, Phitsanulok, 275p. The study was supported by National Research Council of Thailand (NRCT) in the academic year of 1995.
17. W. Rakwichan, C. Boonyarak, and S. Sukjai. The Data of Thermal-Energy Consumption in Industrial Drying in Lower Northern Area, Naresuan University, Phitsanulok, 43p. The study was supported by NRCT in the academic year of 1992.
18. C. Boonyarak. A Study of Science Teaching Problems in Secondary Schools in Lower Northern Region of Thailand. Physics Department, Naresuan University Phitsanulok, 77p. The study was supported by NRCT in the academic year of 1992.
19. W. Rakwichian, C. Boonyarak and Others. Developing of Solar Fruit Dryer at Industrial Scale, Naresuan University, Phitsanulok, 319p. The study was supported by NRCT in the academic year of 1992.
20. Chayan Boonyarak, Sangwal Pengpad, and Sombat Saithon. Producing Software for Computer Assisted Instruction in Nuclear Physics at University Level, Naresuan University, Phitsanulok, 87p. The study was supported by NRCT in the academic year of 1991.

Google Scholar

<https://scholar.google.com/citations?hl=th&user=s9erL20AAAAJ>