



Supachai Awiphan

National Astronomical Research Institute of Thailand
191 Siriphanich Building, Huay Kaew Road, T. Suthep
A. Muang, Chiang Mai, 50200, Thailand
Tel: (+66) 81 022 3510
E-mail: supachai@narit.or.th



Current position

- **2016-Present** **Researcher**, National Astronomical Research Institute of Thailand (NARIT), Thailand

Education

- **2012-2016** **Ph.D. (Astronomy and Astrophysics)**, The University of Manchester, United Kingdom
 - **Thesis:** Exomoons to Galactic structure: High precision studies with the microlensing and transit methods
 - **Supervisor:** Dr. Eamonn Kerins
- **2011-2012** **M.Sc. (Astronomy and Astrophysics) (Merit)**, The University of Manchester, United Kingdom
 - **Thesis:** The detectability of habitable exomoons with Kepler
 - **Supervisor:** Dr. Eamonn Kerins
- **2006-2010** **B.S. (Physics) (First class honors)**, Chiang Mai University, Thailand
 - **Thesis:** Variation in orbital period of W UMa-type contact binaries
 - **Supervisor:** M.L. Aniwat Sooksawat

Scholarships

- **2012-2015** **President's Doctoral Scholar Awards (PDS)**, The University of Manchester, United Kingdom
- **2011-2016** **The Royal Thai Government Scholarship**, Ministry of Science and Technology, Thailand
- **2008-2011** **Junior Science Talent Project (JSTP) Scholarship**, Ministry of Science and Technology, Thailand
- **2006-2010** **Development and Promotion of Science and Technology talent project (DPST) scholarship**
Ministry of Education, Thailand

Research experiences

- **2016-Present** **Researcher**
 - Performe transit timing variation and transmission spectroscopy analyses of Neptune-like exoplanets
- **2011-2016** **Postgraduate research**
 - **Advisor:** Dr. Eamonn Kerins (University of Manchester)
 - Performed transit timing variation and transmission spectroscopy analyses of hot Neptune GJ3470b
 - Determined the detectability of habitable exomoons with Kepler-class photometry
 - Developed Manchester-Besancon microlensing Simulator (MaBμIS)
 - Confronted Galactic structure with MOA-II and MaBμIS microlensing data
- **2010** **Visiting scientist**
 - **Advisor:** Dr. Elisa Bernardini (DESY Zeuthen)
 - Performed statistical study of long term Gamma-Ray data from BL Lac objects
- **2008-2010** **Undergraduate research**
 - **Advisor:** M.L. Aniwat Sooksawat and Dr. Siramas Komonjinda (Chiang Mai University)
 - Determined variation in orbital period of W-UMa type contact binaries
 - Performed photometric study of the contact binary EQ Tauri

Awards

2015

- **Highly recommended in Pure Science**, Anglo-Thai Society Education Awards 2015, United Kingdom

2010

- **Thailand representative of DESY Summer Student Programme 2010**, selected by HRH Princess Maha Chakri Sirindhorn, Thailand
- **Winner prize in the 3rd Thailand undergraduate student research project in Physics**, Thai Physics Society
- **Best score of Bachelor Degree in Physics students**, Faculty of Science, Chiang Mai University, Thailand
- **Winner prize in oral presentation in Physics**, Faculty of Science, Chiang Mai University, Thailand

2008

- **Best score of the year in Physics students**, Faculty of Science, Chiang Mai University, Thailand

2007

- **Best score of the year in first year students**, Faculty of Science, Chiang Mai University, Thailand

2004

- **Silver medal and the best in practical**, The 1st Thai Astronomy Olympiad, Thailand
- **Honorable mentions**, The 3rd Thai Physics Olympiad, Thailand