

SUPAKCHAI PONGLERTSAKUL

[Email](#)

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EMPLOYMENT

- Asst. Prof. in theoretical physics, Department of Physics, Silpakorn University, Thailand (2022-present)
- Lecturer, Department of Physics, Silpakorn University, Thailand (2020-2022)

EDUCATION

- PhD in applied mathematics and theoretical physics, The University of Sheffield, UK (2012-2016)
- MSc in physics, Chulalongkorn University, Bangkok, Thailand (2008-2011)
- BSc in physics, Mahidol University, Bangkok, Thailand (2004-2008)

RESEARCH INTERESTS

- Theoretical black hole physics
- Quasinormal modes of black hole
- Black hole in alternative theories of gravity

RECENT PUBLICATIONS

- C. Promsiri, T. Tangphati, E. Hirunsirisawat and **S. Ponglertsakul**, *Scalarization of planar anti-de Sitter charged black holes in Einstein-Maxwell-scalar theory* Phys. Rev. D. 108 (2023) 2, 024015
- **S. Ponglertsakul**, P. Burikham and S. Pinkanjanarod, *Normal and quasinormal modes of holographic multiquark star* Phys. Rev. D. 107 (2023) 2, 023020
- **S. Ponglertsakul**, P. Channuie and D. Samart, *Thermalon mediated AdS to dS phase transitions in Einstein-Gauss-Bonnet-massive gravity* Eur. Phys. J. C 82 (2022) 8, 754
- P. Burikham, S. Pinkanjanarod, and **S. Ponglertsakul**, *Slowly rotating neutron star with holographic multiquark core: I-Love-Q relations* Phys. Rev. D. 105 (2022) 10, 104018
- S. Pinkanjanarod, P. Burikham and **S. Ponglertsakul**, *Tidal deformation and radial pulsations of neutron star with holographic multiquark core* Eur. Phys. J. C 82 (2022) 2, 141

TEACHING

MSc course

- 514515 Selected topics in physics (old curriculum)
- 514515 Advanced general relativity
- 514518 Introduction to cosmology

BSc course

- 514481 Selected topics in physics I
- 514482 Selected topics in physics II

- 514205 Quantum mechanics I
- 514205 Waves and vibrations (old curriculum)
- 514204 General physics III
- 514203 Mathematical physics I
- 514107 Fundamental physics
- 514103,104,108 Physics laboratory

SCHOLARSHIPS, AWARDS

Research Grant for New Scholar, Office of the Permanent Secretary, Ministry of Higher Education, Science, Research and Innovation	<i>(2022-2024)</i>
Rachadapisek Sompote Fund for Post-doctoral Fellowship, Chulalongkorn University.	<i>(2020)</i>
Post-doctoral Fellowship, Dongguk University.	<i>(2019)</i>
Rachadapisek Sompote Fund for Post-doctoral Fellowship, Chulalongkorn University.	<i>(2018)</i>
Best research presentation at the 8 th Samaggi Academic Conference.	<i>(2016)</i>
Honourable mention for the student talk at the 2nd Karl Schwarzschild meeting.	<i>(2015)</i>
Research grant from Thailand Toray Science Foundation (TTSF).	<i>(2011)</i>
The 90th year Chulalongkorn scholarship.	<i>(2011)</i>

OFFICE

- Room 103, department of physics, Science building 3
- Strong-gravity laboratory, room 4219, Science building 4