



Kritsadi Thetpraphi

Smart polymer girl & Proud Thai

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Facing challenges makes me stronger

EDUCATION

PhD

INSA Lyon

09/2016 – Present

Villeurbanne, France

Achievements

- The current PhD research has been focused on electroactive polymer actuator & sensor
- Being a contribution of live mirror project on Hybrid Mirror 3D Printing Development

Master

PSU

08/2013 – 04/2015

Songkhla, Thailand

Achievements

- The master project was on examination the ability for energy harvesting of a pyroelectric polymer, P(VDF-HFP)
- Material characterization focusing on mechanical and dielectric properties with temperature

Bachelor

PSU

08/2008 – 03/2012

Songkhla, Thailand

Achievements

- First Class Honors
- Experience on improving the ability of polyurethane (PU) by filling Cu nano-powder in order to increase electrical properties
- Skill on smart polymer physics fundamental and characterization to fabrication polymer processing.

PUBLICATIONS

1) Thetpraphi, K., Putson, C., & Muensit, N. (2015). Dependence of Mechanical and Dielectric Properties on Temperature of Poly (Vinylidene Fluoride-Hexafluoropropylene). In Applied Mechanics and Materials (Vol. 749, pp. 129-133). Trans Tech Publications.

2) Lallart, M., Thetpraphi, K., & Capsal, J. F. (2018). Analysis of temperature effect in dielectric response of electrostrictive polymers for pseudo-pyroelectric operations. Physics Letters A, 382(7), 449-454.

3) Della Schiava, N., Thetpraphi, K., Le, M. Q., Lermusiaux, P., Millon, A., Capsal, J. F., & Cottinet, P. J. (2018). Enhanced Figures of Merit for a High-Performing Actuator in Electrostrictive Materials. Polymers, 10(3), 263.

STRENGTHS

Versatility

Motivator & Leader

Transferable skills

Creativity

Enthusiasm

Determination

LANGUAGES

English



French



Thai



INTERESTS

Material Characterization

Thin Film Technology

Electroactive polymers

Polymer actuator

Materials

Sensors

ORGANIZATIONS

The Development and Promotion of Science and Technology Talent Project (DPST) Thailand (2005 – Present)

Campus France (2016 – Present)

REFERENCES

Chatchai Putson

"Department of Physics, Faculty of Science, Prince of Songkla University, Thailand"

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"Department of Physics, Faculty of Science, Prince of Songkla University, Thailand"

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