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EDUCATION

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|-------|------------------------------------|-----------------------|
| Ph.D. | Materials science | Chiang Mai University |
| M.Sc. | Applied Physics | Chiang Mai University |
| B.Sc. | Physics (Electronics and Computer) | Naresuan University |

RESEARCH INTERESTS

Microcontroller and Embedded System, Automatic and Smart Systems, Material Physics

LECTURER

- Physics I & II
- Introductory Physics
- Life Science Physics
- Electromagnetic Theory
- Experimental Physics I & II
- Microcontroller and Programming
- Embedded System for Applied Physics
- Electric Circuit Analysis
- Instrumentation and Data Acquisition
- Electric and Electronics Circuit

PUBLICATIONS

1. **P. Ketsuwan**, A., Ngamjarurojana, Y. Laosiritaworn, S. Ananta, and R. Yimnirun, "Effect of Sintering Temperature on Phase Formation, Dielectric, Piezoelectric, and Ferroelectric Properties of Nb-doped $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ Ceramics" *Ferroelectrics*, 358, pp 35-41 (2007)
2. **P. Ketsuwan**, S. Ananta, Y. Laosiritaworn, R. Yimnirun, David P. Cann, "Impedance and Dielectric Properties of Nb-Doped $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ Ceramics" *Advanced Materials Research*, 55-57, pp 129-132 (2008)
3. **P. Ketsuwan**, Y. Laosiritaworn, S. Ananta, R. Yimnirun, "Electrical Properties of Nb-Doped $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ Ceramics" *International Journal of Modern Physics B* 23(1), pp 105-111 (2009)
4. **Piyachon Ketsuwan**, A. Prasatkhetragarn, Narit Triamnuk, Chien-Chih Huang, Athipong Ngamjarurojana, Yongyut Laosiritaworn, Supon Ananta, Rattikorn Yimnirun, David P.

Cann, "Effects of Niobium Doping on Dielectric and Ferroelectric Properties of Chromium Modified Lead Zirconate Titanate Ceramics" *Ferroelectrics*, 380, pp 183-189 (2009)

5. **Piyachon Ketsuwan**, A. Prasatkhetragarn, Narit Triamnuk, Chien-Chih Huang, Athipong Ngamjarurojana, Yongyut Laosiritaworn, Supon Ananta, Ratikorn Yimnirun, David P. Cann, "Electrical Conductivity and Dielectric and Ferroelectric Properties of Chromium Doped Lead Zirconate Titanate Ceramics" *Ferroelectrics*, 380, pp 183-189 (2009)

6. **Piyachon Ketsuwan**, Anurak Prasatkhetragarn, Narit Triamnuk, Chien-Chih Huang, Athipong Ngamjarurojana, Yongyut Laosiritaworn, Supon Ananta, Rattikorn Yimnirun, David P. Cann, "Dielectric and Ferroelectric Properties of (Cr,Nb)-doped Lead Zirconate Titanate Ceramics" *Keys Engineering Materials* 421-422, pp 385-388 (2010)

7. **Piyachon Ketsuwan**, Anurak Prasatkhetragarn, Narit Triamnuk, Chien-Chih Huang, Athipong Ngamjarurojana, Yongyut Laosiritaworn, Supon Ananta, Rattikorn Yimnirun, David P. Cann, "Dielectric Properties of Li-doped $\text{Bi}_{0.2}\text{K}_{0.8}(\text{Zn}_{0.1}\text{Ti}_{0.1})\text{Ta}_{0.8}\text{O}_3$ Ceramics" *Keys Engineering Materials* 421-422, pp 255-258 (2010)

8. **P. Ketsuwan**, A. Prasatkhetragarn, A. Ngamjarurojana, S. Ananta, R. Yimnirun, "Dielectric Aging of Cr-Doped PZT Ceramics" *Integrated Ferroelectrics*, 149, pp 67-74 (2013)

9. **P. Ketsuwan**, A. Prasatkhetragarn, A. Ngamjarurojana, S. Ananta, R. Yimnirun, "Aging Behavior of (Cr,Nb)-Doped PZT Ceramics" *Ferroelectrics*, 452, pp 13-21 (2013)

10. S. Somwan, **P. Ketsuwan**, A. Ngamjarurojana, "AGING BEHAVIOR OF NB-DOPED $\text{PB}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ CERAMICS", *Suranaree Journal of Science & Technology*, 24(4), pp 465-474 (2017)

11. Pratthana Ammaraphitak, **Piyachon Ketsuwan**, Rattapoom Prommana, "Electricity Production from Vermicompost Liquid Using Microbial Fuel Cell", *World Academy of Science, Engineering and Technology International Journal of Energy and Environmental Engineering*, 12(1), pp 2226-2230 (2018)