

CURRICULUM VITAE

I. Personal Information

Name Kittipan Roongpresert
Date Of Birth 20 April 1982
Place of Birth Narathiwat Thailand
Affiliation College of Biomedical Engineering, Rangsit University Pathum Thani 12000, Thailand
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II. Educational Background

2006 B.SC. Biomedical Instrumentation, Rangsit University Thailand
2016 M.ENG. Biomedical Engineering, KMITL. Thailand

III. Work Experience

2006 – 2008 Service Engineer, Diagnostics Division, MEDITOP Co.th
2009 – Present Full Time Lecturer collage of Biomedical Engineering Rangsit University
2010 – Present Manager of Biomedical Engineering Innovation and Service Center (BIS Center)

IV. Teaching Summary

1. Professional Experience in Medical Engineering
2. Mathematical and Computational Modeling of Human Body Systems
3. Engineering Principles of the Human Body
4. Fundamental Medical Devices
5. Advanced Medical Devices
6. Maintenance Engineering of Biomedical Instrumentation

V. Publications

1. K.Roongprasert, P.Phasukkit, S.Airphaiboon, C.Pintavirooj, N.Thongpance, A.Sanpanich. Heat Transfer Efficiency Analysis of Infant RadiantWarmer by 3D Finite Element Method. Proceedings of Biomedical Engineering International Conference (BMEiCON-2012). Paper ID

BME-2012-78

2. C Phairoh, A Sanpanich, Y Kajornpredanon, S Thanangkul, C Apaiwong, W Sroykham, K Petsarb, P Phasukkit, K Roongprasert ,Bone drilling by using microwave ablation; FEM investigation., Proceedings of Biomedical Engineering International Conference (BMEiCON-2013).
3. T. KaewgunP. Anupongongarch K.Roongprasert Design and Construction of a Compact Model of Median Cubital Vein Transilluminator. Proceedings of Biomedical Engineering International Conference (BMEiCON-2016)
4. J Prinyakupt, K Roongprasert Verification device for temperature and relative humidity inside the infant incubator via IoT 2019 12th Biomedical Engineering International Conference (BMEiCON), 1-6
5. N Thongpance, K Roongprasert The Design and construction of infusion device analyzer 7th 2014 Biomedical Engineering International Conference, 1-5
6. A Wongkamhang, N Thongpance, M Sangworasil, K Roongprasert, . Development of the low-cost blood pressure simulator The 7th 2014 Biomedical Engineering International Conference, 1-4
7. N Thongpance, K Roongprasert, S Pechprasarn, P Suvarnaphaet DEVELOPMENT OF BIOMEDICAL ENGINEERING IN THAILAND INTERNATIONAL JOURNAL OF APPLIED 14 (2)
8. R Chotikunnan, K Roongprasert, P Chotikunnan, P Imura, M Sangworasil, .Robotic Arm Design and Control Using MATLAB/Simulink International Journal 10 (3), 2448-2459
9. A Wongkamhang, N Wuttiapan, R Chotikunnan, K Roongprasert, Design and Develop a Non-Invasive Pulmonary Vibration Device for Secretion Drainage in Pediatric Patients with Pneumonia. Journal of Robotics and Control (JRC) 4 (5), 632-642

VI. Training and Seminar

1. Topic of electrical safety of medical devices according to IEC60601-1 and IEC62353 standards.
2. Testing and calibration according to IEC60601-2 standards.
3. Standards for maintenance of medical equipment in hospitals