

## ประวัติ



1. ชื่อ (ภาษาไทย) ผู้ช่วยศาสตราจารย์ ดร. กฤษณะ ชินสาร
2. ชื่อ (ภาษาอังกฤษ) Assist. Prof. Krisana Chinnasam, PhD.
3. วันเดือนปีเกิด 25 มิถุนายน พ.ศ. 2513
4. สถานที่เกิด จังหวัดนครพนม
5. สถานภาพการสมรส สมรส
6. ตำแหน่งปัจจุบัน ผู้ช่วยศาสตราจารย์
7. ที่อยู่หน่วยงาน คณะวิทยาการสารสนเทศ มหาวิทยาลัยบูรพา
8. เบอร์โทรศัพท์ 081-260-0141
9. ประวัติการศึกษา วท.ด.(วิทยาการคอมพิวเตอร์) จุฬาลงกรณ์มหาวิทยาลัย  
วท.ม. (วิทยาการคอมพิวเตอร์และเทคโนโลยีสารสนเทศ)  
สถาบันเทคโนโลยีพระจอมเกล้าเจ้าคุณทหารลาดกระบัง  
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### ประวัติการดำรงตำแหน่งบริหาร

- 1 พ.ศ. 2559 – ปัจจุบัน คณบดี คณะวิทยาการสารสนเทศ
  - 1 ก.ค. 2557 - 30 เม.ย. 2559 รองคณบดีฝ่ายวิชาการและวิจัย คณะวิทยาการสารสนเทศ
  - 1 ต.ค. 2555 - 1 มิ.ย. 2558 ประธานสาขาวิชาวิทยาการคอมพิวเตอร์ คณะวิทยาการสารสนเทศ
  - 1 พ.ศ. 2555 - 29 มิ.ย. 2557 รองคณบดีฝ่ายแผนงาน วิจัย และบริการวิชาการ  
คณะวิทยาการสารสนเทศ
  - 1 มิ.ย. 2554 - 30 ก.ย. 2554 ประธานสาขาวิชาวิทยาการคอมพิวเตอร์ ระดับบัณฑิตศึกษา  
คณะวิทยาการสารสนเทศ
  - 21 พ.ศ. 2553 - 30 ก.ย. 2554 รองคณบดีฝ่ายวิชาการและวิจัย คณะวิทยาการสารสนเทศ
  - 3 พ.ศ. 2553 - 30 พ.ศ. 2554 ประธานสาขาวิชาวิทยาการคอมพิวเตอร์ ระดับบัณฑิตศึกษา  
คณะวิทยาการสารสนเทศ
10. กิจกรรมทางวิชาการ (Professional Activities)
- **Advisory Committee and Judge**, TOI, The Thailand Olympiad in Informatics (The Promotion of Academic Olympiad and Development of Science Education Foundation under the Patronage of Her Royal Highness Princess Galyani Vadhana Krom Luang Naradhiwas Rajanagarindra (POSN)), on May - June, since 2007.
  - **Steering Committee & Technical Program Chairs**, JCSSE, The International Joint Conference on Computer Science and Software Engineering, KhonKean University, Thailand, on July, since 2005.
  - **Technical Program Chair**, KSTiCon, International Conference on Knowledge and Smart Technology, on February, since 2004.
  - **Principal Organizing Committee**, NSC, The National Software Contest: The Eastern Center, Thailand, since 2007.
  - **Principal Organizing Committee**, ACM-ICPC (ACM International Collegiate Programming Contest) Thailand BoostUP Camp, on November, since 2014.

- **Advisory Committee**, AUCC, ASEAN Undergraduate Conference in Computing, on April, since 2013.
- **Steering Committee & Technical Program Chairs**, ICAICTA, The International Conference on Advanced Informatics: Concepts, Theory and Application, on August, since 2015.
- **Technical Program Committee (Co-Chair)**, The 2nd International Workshop on Semantic Technologies (IWOST2), King Mongkut's Institute of Technology, Ladkrabang, Thailand, November 2-3, 2015.
- **ECTI Board Committee (2014-2015)**, ECTI Technical Chair(Computers), Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology Association of Thailand (ECTI Thailand).
- **Principal Organizing Committee**, ACM-ICPC (ACM International Collegiate Programming Contest) Thailand Central Group A, 2013.
- **Steering Committee and Reviewer**, NCSEC, The National Conference on Computer Science and Computer Engineering, 2007 - 2009.
- **Program Committee**, MIWAI 2009, The 3rd Mahasarakham International Workshop on Artificial Intelligence, Mahasarakham University, Mahasarakham, Thailand, December 2009.
- **Academic Program Committee**, i-CREATE, The International Conference for Rehabilitative Engineering & Assistive Technology, 2007 - 2009.
- **Referee**, PAKDD 2009, The 13th Pacific-Asia Conference on Knowledge Discovery and Data Mining. 27-30 April 2009 Bangkok, Thailand.
- **External Reader**, B.Sc. program for Ubon Ratchathani Rajabhat University, Mahasarakham University, King Mongkut's Institute of Technology Ladkrabang
- **External Reader**, M.Sc. program for Silpakorn University.
  
- **Invited Speaker**, Faculty of Industrial Technology, Ubon Ratchathani Rajabhat University, Jan 2008.
- **Organizing Committee**, ITPE 2007, Information Technology Professional Examination, The Eastern Center, Thailand, October 28, 2007.
- **External Reader**, Doctor of Philosophy Program in Computer and Information Science, New Curriculum 2007, Silpakorn University.
- **Referee**, Journal of Food Engineering, ISSN: 0260-8774, Elsevier.
- **Academic Program Committee**, SNLP 2007, The 7th International Symposium on Natural Language Processing, Pattaya, Thailand.
- **Organizing Committee**, NLC, Nectec Linux Contest 2008, The Eastern Center, Thailand, June 30, 2007.
- **Academic Program Committee**, ASIMMOD 2007, Asian Simulation and Modeling 2007, Royal Project Foundation, January 2007.
- **Technical Program Committee**, KICSS 2006, The 1st International Conference

on Knowledge, Information and Creativity Support Systems, Ayutthaya, Thailand, 1-4 August 2006.

- **Referee**, KSAS 2006, KMITL International Conference on Science and Applied Science, Thailand, 8-10 March 2006.
- **Main organizer**, POSN 2006, The Second POSN Olympiad in Informatics (The Promotion of Academic Olympiad and Development of Science Education Foundation under the Patronage of Her Royal Highness Princess Galyani Vadhana Krom Luang Naradhiwas Rajanagarindra (POSN)), April 2006.
- **Secretary and Organizing Committee**, JCSSE 2005, The 2nd Joint Conference on Computer Science and Software Engineering, Thailand, June 2005.
- **Referee**, NECSEC 2005, The 1st Northeastern Computer Science and Engineering Conference, Thailand, March 2005.
- **Technical Program Committee**, ThCSC 2004, Thai Computer Science Conference, Kasetsart University, Thailand, December 2004.
- **Local Organizing Committee**, KES 2003, 7th International Conference on Knowledge-Based Intelligent Information & Engineering Systems, Oxford University Computing Laboratory, UK. September 2003.

11. ผลงานทางวิชาการในวารสารวิชาการ (Journal)

- P. Voraboot, S. Rasmeequan, **K.Chinnasarn**, and C. Lursinsap, "Hybrid Algorithms for Improving the Classification Rate on Highly Overlapping Imbalanced Data Sets", Accepted for publication in the NeuroComputing, 2015.
- **K.Chinnasarn**, S.Chinnasarn and D.L.Pyle, "Identification of Surimi Gel Strength Classes using Backpropagation Neural Network and Principal Component Analysis", Journal of Applied Sciences 6(8), pp.1802-1807, 2006.
- S.Chinnasarn, **K.Chinnasarn**, D.L.Pyle, and C.Pradistsuwana, "Development of Texture Model in Fish Gels using Eigen-gel Patterns", the Pakistan Journal of Biological Sciences 9(9), pp.1769-1773, 2006.
- **K.Chinnasarn**, C.Lursinsap, and V.Palade, "Blind Extraction of Mixed Kurtosis Signed Signal using Partial Observations and Low Complexity Activation Functions", the International Journal of Computational Intelligence and Applications in the special issue on "Computational Intelligence for Signal and Image Processing", Vol.4, No.2. (June 2004.)
- **K.Chinnasarn** and Y.Rangsanseri, "An Algorithm for Noise Removal in Binary Document Images", Burapha Science Journal, Vol. 6. No. 1, Pp. 1-9, Jan-Jun 1998. (In Thai) Available as pdf
- **K.Chinnasarn** and Y.Rangsanseri, "The Skew Estimation of Printed Documents", Ladkrabang Information Journal, Vol. 3. No. 1 Pp.14-21, January 1998.(In Thai) Available as pdf
- **K.Chinnasarn**. "Program=Algorithms+Data Structures", Burapha Science Journal, Vol. 6. No. 1, Pp. 145-152, Jan-Jun 1998. (In Thai)

12. ผลงานทางวิชาการในประชุมวิชาการ (Proceedings)

- Luangruangrong, W., Rodtook, A. and **Chinnasarn**, K., (2018). Polar Space Contour Detection for Automated Optic Cup Segmentation, in Proceedings of 2018 10th

International Conference on Knowledge and Smart Technologies, pp. , Chiangmai: Thailand, Jan 31 - Feb 3, 2018.

- Yookwan, W., **Chinnasarn, K.**, and Jantarakongkul, B., (2018). Region of Interest of Human Lumbar Spine Segmentation using Geometric Triangular Analysis, in Proceedings of the International Workshop on Advanced Image Technology 2018 (iWAIT-2018), Chiangmai: Thailand, Jan 7-9, 2018.
- Wong-od, A., Rodtook, A., Rasmeequan, S. & **Chinnasarn, K.** (2017). Automated segmentation of media-adventitia and lumen from intravascular ultrasound images using non-parametric thresholding. In Proceedings of 9th International Conference on Knowledge and Smart Technologies 2017 (pp. 220-225). Pattaya: Thailand.
- Chansuparp, M., Rodtook, A., Rasmeequan, S. & **Chinnasarn, K.** (2016). Novel features for Classification of Hydrocephalus and Cerebral Atrophy. In Proceeding of the 13th International Joint Conference on Computer Science and Software Engineering. Khon Kaen: Khon Kaen University.
- Sungkhun, S., Rasmeequan, S., **Chinnasarn, K.** & Rodtook, A. (2016). Vertebral Body Segmentation using Aggregate Superpixels. In Proceeding of the 13th International Joint Conference on Computer Science and Software Engineering. Khon Kaen: Khon Kaen University.
- Keo, C., Rasmeequan, S., **Chinnasarn, K.** & Rodtook, A. (2016). Vertebral Pose Estimation using Horizontal Gradient Vector Field. In Proceeding of the 13th International Joint Conference on Computer Science and Software Engineering. Khon Kaen: Khon Kaen University.
- Sungkhun, S, C.Keo, S.Rasmeequan, A.Rodtook, and **K.Chinnasarn**, “Automated Multiple Lesion Identification on Vertebral Spine using Modified Average Intensity”, in Proceedings of the 2016 International Conference on Advanced Informatics: Concepts, Theory and Application (ICAICTA), PARK ROYAL HOTEL, PENANG, MALAYSIA, Aug 16-19, 2016.
- Intaramanee, T., Rasmeequan, S., **Chinnasarn, K.** & Rodtook, A. (2016). Optic Disc Detection via Blood Vessels Origin using Morphological End Point. In Proceedings of the International Conference on Advanced informatics: Concepts, Theory and Applications. Penang: Malaysia.
- Khoenun, R., Rasmeequan, S., **Chinnasarn, K.** & Rodtook, A. (2016). Microaneurysm Candidate Extraction. In Proceeding of the 13th International Joint Conference on Computer Science and Software Engineering. Khon Kaen: Khon Kaen University.
- Suwannat, T., **Chinnasarn, K.** & Indra-Payoong, N. (2015). Multi-Features Particle PHD Filtering for Multiple Humans Tracking. In Proceeding of the International Computer Science and Engineering Conference (ICSEC) 2015. Chiang Mai: thailand.
- Vong, K., Rasmeequan, S., **Chinnasarn, K.** & Harfield, A. (2015). Empirical Modelling for Dynamic Visualization of ICU Patient Data Streams. In Proceeding of the Biomedical Engineering International Conference 2015. Pattaya: thailand.
- Chansuparp, M., Rodtook, A., Rasmeequan, S. & **Chinnasarn, K.** (2015). The Automated Skull Stripping of Brain Magnetic Resonance Images using the Integrated Method. In Proceeding of the Biomedical Engineering International Conference 2015. Pattaya: thailand.
- Yajai, A., Rodtook, A., **Chinnasarn, K.** & Rasmeequan, S. (2015). Fall Detection using Directional Bouding Box. In Proceeding of the 12th International Joint Conference on Computer Science and Software Engerrring (pp. 52-57). Songkhla: Prince of

Songkla University.

- Luangruangrongt, W., Kulkasem, P., Rasmequan, S., & **Chinnasarn, K.** (2014). Automatic Exudates Detection in Retinal Images Using Efficient Integrated Approaches. In Proceeding of the Asia–Pacific Signal and Information Processing Association 2014 Annual Summit and Conference (pp. 1-5). Siem Reap: Cambodia.
- Boonthong, P., Jantarakongkul, B., Rasmequan, S., Rodtook, A., & **Chinnasarn, K.** (2014). Semi-automated detection of breast mass speculation using active contour. In Proceeding of the Asia–Pacific Signal and Information Processing Association 2014 Annual Summit and Conference (pp. 1-6). Siem Reap: Cambodia.
- Voraboot, P., Rasmequan, S., **Chinnasarn, K.**, & Lursinsap, C. (2014). Improving Classification Rate constrained to Imbalanced data between overlapped and non-overlapped regions by hybrid algorithms. *NeuroComputing*, 152, 429-443.
- Onpans, J., Rasmequan, S., Jantarakongkul, B., & **Chinnasarn, K.** (2013). Intrusion Feature Selection Using Modified Heuristic Greedy Algorithm of ItemSet. In Proceeding of the 13th International Symposium on Communications and Information Technologies.
- Saelim, A., Rasmequan, S., Kulkasem, P., & **Chinnasarn, K.** (2013). Migration Planning using Modified Cuckoo Search Algorithm. In Proceeding of the 13th International Symposium on Communications and Information Technologies (pp. 621-626). Samui: Thailand.
- Onpans, J., Rasmequan, S., Jantarakongkul, B., & **Chinnasarn, K.** (2013). Intrusion Feature Selection Using Modified Heuristic Greedy Algorithm of ItemSet. In Proceeding of the 13th International Symposium on Communications and Information Technologies (pp. 627-632). Samui: Thailand.
- Voraboot, P., Rasmequan, S., Lursinsap, C., & **Chinnasarn, K.** (2012). A modified error function for imbalanced dataset classification problem. In Proceeding of the 7th International Conference on Computing and Convergence Technology. Seoul, Rep. of Korea.
- Srikamdee, S., Rimcharoen, S., & **Chainnasarn, K.** (2012). NeuroEAs-based algorithm portfolios for classification problems. In Proceedings of 4th International Conference on Knowledge and Smart Technologies 2012 (pp. 62-68), Chonburi: Burapha University.
- Voraboot, P., Rasmequan, S., Lursinsap, C., & **Chinnasarn, K.** (2012). A modified error function for imbalanced dataset classification problem. In Proceeding of the 7th International Conference on Computing and Convergence Technology. Seoul, Rep. of Korea.
- Srikamdee, S., Rimcharoen, S., & **Chainnasarn, K.** (2011). A simple portfolio algorithm using collaborative learning of ga and ann for classification problem. In Proceedings of 3rd International Conference on Knowledge and Smart Technologies. Chonburi: Burapha University.

13. ทุนวิจัย

- **Auto Detection and Segmentation of Optic Disc and Cup in Highly Complex Environment for Supporting Medical Diagnosis,**  
Source: National Research Council of Thailand, 2017-2018
- **2 Dimension Vertebral Bone Image Reconstruction into 3 Dimension for Supporting Clinical Analysis and Bone Mass Automatic Calculation,**  
Source: National Research Council of Thailand, 2017-2018
- **Segmentation and Analysis of the Ventricle Deformation of Brain MR Image,**  
Source: National Research Council of Thailand, 2016-2017
- **Adaptive Ontology using Empirical Modelling Technique for Analyzing Data Stream of ICU Patients,**  
Source: National Research Council of Thailand, 2015-2016
- **Adaptive Ensemble Selector for Microaneurysms and Dot-Blot Hemorrhage Detection in Diabetic Retinopathy Patients,**  
Source: National Research Council of Thailand, 2015-2016
- **Breast Cancer Detection by Evaluating Spiculated Mass for Computer-aided Diagnosis in Hospital Patients,**  
Source: National Research Council of Thailand, 2014-2015
- **Fall Detection System for Monitoring An Elderly Person in Elderly Care Center,**  
Source: National Research Council of Thailand, 2014-2015
- **Optimal Methods for Classification of Highly Imbalanced Datasets,**  
Source: National Research Council of Thailand, 2013-2014
- **Emotion Recognition of Affective Speech Based on Hybrid Classifier,**  
Source: National Research Council of Thailand, 2013-2014
- **Exudates in Diabetes Patient Classification using Ensemble Learning,**  
Source: National Research Council of Thailand, 2012-2013
- **Dynamic Problem Solving for Mobile Agent Migration Planning,**  
Source: National Research Council of Thailand, 2011-2012
- **A Hybrid Method for Feature Extraction in Real-time Intrusion Detection,**  
Source: National Research Council of Thailand, 2011-2012
- **Hybrid Ensemble Learning for Software Cost Estimations,**  
Source: National Research Council of Thailand, 2011-2012
- **A Mobile Application for Herbal Information Retrieval**  
Source: National Electronic and Computer Technology Center (NECTEC), Oct 2009-Sep 2010.
- **Possible path finding from topographic map using image processing and data clustering techniques,**  
Source: National Research Council of Thailand, Oct 2009-Sep 2011.

- **Tsunami Detection and Early Warning by Remote Sensing,**  
Source: National Research Council of Thailand, 2007-2008.
- **Image-Processing Oriented Questionnaire Analysis System,**  
Source: Faculty of Science, Burapha University, 1999-2000.