

Dr. Poom Kongniratsaikul

+ CONTACT

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+ Summary

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- Co-founder of ICOZILLA, an ICO solution provider based in Bangkok, Thailand.
 - Specialized in system engineering, e.g. project planning, development, testing, and life cycle integration
 - Experienced in software and hardware developments in various international projects
 - Experienced in academic researches and organizing trainings
 - Interdisciplinary, team-player, and self-motivated

+ WORK EXPERIENCES

Since December 2017	Co-Founder , ICOZILLA Co. Ltd., Thailand ICO solution provider based on smart contract and blockchain technology.
Since Mar 2013	Test Concept Engineer , Automotive Lighting Reutlingen GmbH, Germany Developed test concepts and tools for HiL system testing of automotive ECUs. The concepts include, but not limited to, <i>LED Simulator</i> , <i>PSI5 Sensor Simulator</i> , <i>LED Driver</i> , <i>LVDS Simulator</i> , etc. Validated ECU software, reviewed test cases, and coordinated international teams in various locations around the world.
Jun 2010 – Feb 2013	Researcher , Institute of Computer Engineering, University of Duisburg-Essen, Germany Academically researched in multidisciplinary areas of <i>system testing</i> , <i>reliability analysis</i> , <i>uncertainty analysis</i> , and <i>system engineering</i> Organized exercises for the following subjects: ▶ <i>Test and Reliability of Digital Systems</i> ▶ <i>Advanced Computer Architecture</i>
Jun 2009 – Mar 2010	Research Assistant , Institute of Information Logistics, University of Duisburg-Essen, Germany Academically researched, applied to the reliability assessment of <i>high-voltage direct-current (HVDC) electric power transmission</i>
Mar 2007 – Sep 2007	Software Consultant , Moscii Systems Co. Ltd., Thailand Developed a system management software for <i>Linux</i> and <i>Solaris 10</i> The product was later adopted in numerous computer servers world-wide.
Jun 2005 – Sep 2006	Teaching Assistant , Faculty of Engineering, Kasetsart University, Thailand Organized exercises, quizzes, and laboratories for the following subjects: ▶ <i>Probability and Random Processes</i> ▶ <i>Logic Circuit Laboratory</i> ▶ <i>Computers & Programming</i>
Apr 2006 – Jun 2006	Internship , PTT Exploration and Production Plc., Thailand Co-developed a <i>web-based HRM software</i> for PTTEP Services Limited

+ EDUCATION

Jun 2010 - Feb 2013	Doctor of Engineering (Dr.-Ing.) (magna cum laude)
	Dissertation topic: <i>Uncertainty in Reliability Evaluation – A Framework and Practical Case Studies</i> , Supervisor: Prof. Dr.-Ing. H.-D. Kochs, Prof. Dr.-Ing. A. Hunger, University of Duisburg-Essen, Germany
Oct 2007 – Mar 2010	M.Sc. Control and Information Systems (excellent, Note 1,5)
	Master thesis topic: <i>Evaluation of System Reliability Using the Example of HVDC Systems</i> , Supervisor: Prof. Dr.-Ing. H.-D. Kochs, University of Duisburg-Essen, Germany
Jun 2003 – Mar 2007	B.Eng. Computer Engineering (very good, GPA 3.05 out of 4.00)
 Kasetsart University	Bachelor thesis topic: <i>Histogram-based Particle Filter for Human Tracking on Distributed Vision System</i> , Supervisor: Asst. Prof. Dr. Yodyium Tipsuwan Kasetsart University, Bangkok, Thailand
May 2000 – Feb 2003	High-School (very good, GPA 3.44 out of 4.00)
 โรงเรียนเตรียมอุดมศึกษา Triam-Udom Suksa School	Science-Mathematics-Computer Program, Triam-Udom Suksa School, Bangkok, Thailand

+ SELECTED PUBLICATIONS

Apr 2017	<i>TV Interview</i> , Money Talk Weekly, https://www.youtube.com/watch?v=pPHY7O6SXEXY , TNN 24 Channel, Thailand
Nov 2013	<i>Uncertainty in Reliability Evaluation – A Framework and Practical Case Studies</i> , Doctoral Dissertation, University of Duisburg-Essen, Germany Author: P. Kongniratsaikul
Jun 2013	<i>Risk, Reliability, and Uncertainty in Infrastructure Systems</i> , ATPER Conference 2013, Stockholm, Sweden Author: P. Kongniratsaikul
Jul 2012	<i>Comparing System Reliability Considering Insufficient Knowledge: Application to HVDC Converter Stations</i> , Proceedings of IEEE Power and Energy Society General Meeting, July 2012, San Diego, USA Authors: H.-D. Kochs, P. Kongniratsaikul, F. Lutz
Dec 2009	<i>Evaluation of System Reliability Using an Example of HVDC Systems</i> , Master Thesis, University of Duisburg-Essen, Germany Author: P. Kongniratsaikul
Jul 2007	<i>Skuba 2007 Team Description</i> , RoboCup 2007, Atlanta, USA Authors: J. Srisabye, N. Parkpien, P. Kongniratsaikul, P. Hoonsuwan, et al.
Jun 2006	<i>Skuba Team Description Paper</i> , Robocup 2006, Bremen, Germany Authors: J. Srisabye, W. Suteerattanapirom, P. Kongniratsaikul, N. Parkpien

+ PROFESSIONAL ACTIVITIES AND PROJECTS

2017	Creator , DevFee Modifier, github.com/drppoom/dfm Tools for efficient blockchain mining
2016	Co-founder , mausmoin.com Created an online portal for German language learners
Dec 2010 - Dec 2012	Committee , Thai Student Association in Germany, tsvd.org Organized intercultural activities for international students in Germany. Created an online student community, including websites and wiki, to support cultural integration

Jun 2004 – Sep 2007	Co-Founder, Team Leader , Skuba, Robocup small-sized robot football team, robocupssl.cpe.ku.ac.th/teams:skuba Designed and constructed five autonomous robots to compete in robot football. The team participated in Robocup World Championship since 2006, won 3rd prize in Robocup 2008, and became the World Champion during 2009-2012.
Nov 2005	Coordinator , Hong-Kong team, World Robot Olympiad 2005, Bangkok, Thailand
Oct 2004 – Jun 2005	Club President , Computer Club, Kasetsart University, www.facebook.com/cpsk.ku.club Organized two computer-related competitions, and free programming courses for students

+ PROFESSIONAL TRAININGS

2017	ISTQB Certified Tester: Advanced Level - Test Manager , German Testing Board e.V., Germany
2016	ISTQB Certified Tester: Agile Tester Extension , German Testing Board e.V., Germany
2016	ISTQB Certified Tester: Foundation Level , German Testing Board e.V., Germany
2013	CAST® Certified Automotive Software Tester: Foundation Level , Seminar, Knowledge Department, Germany
2006	Embedded System Development , Thailand IC Design Incubator, National Electronics and Computer Technology Center, Thailand
2005	Parallel Program Development with MPI , Microsoft HPC and Grid, Department of Computer Engineering, Kasetsart University, Thailand
2004	VHDL and FPGA Implementation Workshop , Thailand IC Design Incubator, National Electronics and Computer Technology Center, Thailand
2001 and 2002	The International Olympiad in Informatics (IOI) Training Camp , The Institute for the Promotion of Teaching Science and Technology, Thailand

+ PROFESSIONAL SKILLS

System Development:

- **Programming Languages:** C/C++, Python, MATLAB, C#, Pascal, etc.
- **Software Tools:** Vim, Eclipse, PyCharm, Visual Studio, OpenCV, Open-Source Software, GNU/Linux
- **Hardware Tools:** EAGLE, SPICE, FreeCAD
- **Robotics/Internet of Things:** FPGA, PSoC, BeagleBone, Raspberry Pi, Arduino, MCS-51, etc.
- **Framework:** Waterfall, V-Model, Agile, Sprint, etc.
- **Automotive:** CAN, LIN, SPI, I2C, PSi5, LVDS, HSVL, GMSL, HiL Simulation, etc.

Testing: Test Managing, Unit, Integration, System, Test Planning, HiL, SiL, Agile, Model-based, Exploratory

Reliability Analysis: Fault-Tree, Reliability Block Diagram, MTTF, MTBF, FMEA, Lifetime Data Analysis

Project Tools: Subversion, Git, Bugzilla, Trac, ClearCase, ClearQuest

Languages: *Thai* (native), *English* (TOEFL iBT 83, work experience abroad), *German* (B2, Zertifikat Deutsch)

+ Reference

Available upon request