Sritrusta Sukaridhoto
CTO, Technology Enthusiast and Guitarist

contact

PT. Solusi Integra Indonesia
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Dhoto's Homepage
Google Scholar
Scopus-ID
git://iseng4h
fb://iseng4h

languages
Indonesian (native)
English & Japanese

research interests
Computer Networks, Human-centric, Multimedia & Internet of Things

biography

Received the B.E. degree in electrical engineering, computer science program from Sepuluh Nopember Institute of Technology, Indonesia, in 2002 and the Ph.D. degree in Communication Networks Engineering from Okayama University, Japan, in 2013. He joined PT. Solusi Integra Indonesia as Chief Technology Officer in 2019. Before, He also a lecturer at Politeknik Elektronika Negeri Surabaya, Indonesia, from 2002. From 2017, He becomes Head of Human Centric Multimedia Lab, received several research grants, and also has several collaborations with government and industries. He is a technology enthusiast, his research interests include computer networks, human-centric, immersive multimedia technology, and Industrial Internet of Things. He hold CertNexus Certified IoT Practitioner, ISO27001 lead auditor and received several awards, including IEEE Young Researcher Award in 2009. While in the free time, He love to play a guitar.

education

2009–2013 **Doctor** of Philosophy   Okayama University, Japan
Engineering
Dissertation: "A Study of Performance Improvement Methods for Real-Time Applications in Wireless Mesh Networks"
Supervised by Prof. Nobuo Funabiki, Prof. M. Hata and Prof. Toru Nakanishi

1997–2002 **Bachelor** of Engineering   Institut Teknologi Sepuluh Nopember, Indonesia
Electrical Engineering - Computer Science
Thesis: "Implementation of IPv6 in Institute Technology Sepuluh November of Surabaya"
Supervised by Dr. Surya Sumpeno and Dr. Supeno Mardi

work experience

2019-now **PT. Solusi Integra Indonesia**   BSD, Indonesia
Chief technology officer, startup that working on solution and integration in the field of oil and gas, manufacture, and IT.

2002-Now **Politeknik Elektronika Negeri Surabaya**   Surabaya, Indonesia
Assistant Professor & Head of Lab

– Graduate School of Information Technology,

* Teaching : Advanced Computer Networks and Internet of Things

* Supervision of Master students

– Department of Multimedia Creative Technology,

* Teaching : Data Communication and Computer Networks

* Supervision of Undergraduate students

– Head of Human Centric Multimedia Lab

2019-2021	**Dinas Kependudukan dan Catatan Sipil**	Surabaya, Indonesia
	IT Consultant	

2017, 2018 **Bank Jatim** — Surabaya, Indonesia
IT Consultant

2018 **Artha Patria - Softwate Development** — Surabaya, Indonesia
CTO, we develop software for human resource management. Our clients: PT. Quantum, Inasgoc2018, BPKH, etc

2015-2018 **UGT Sidogiri - USAT** — Pasuruan, Indonesia
Internet Service Provider Consultant

2017, 2018 **PT. Eyro Digital Technology** — Surabaya, Indonesia
IoT, Big Data architecture Consultant

2016 **Dinas Komunikasi dan Informatika** — Surabaya, Indonesia
Network Security Consultant

2014, 2019 **PT PAL SURABAYA - Kementrian Pertahanan dan Keamanan RI** Okpo, Korea
Research and Development of National Submarine Transfer of Technology, national research collaboration and Submarine design for weapon system, communication, and computer system

2004-2009 **Politeknik Elektronika Negeri Surabaya** — Surabaya, Indonesia
CISCO Network Academy Instructor

1999-2002 **Institut Teknologi Sepuluh Nopember** — Surabaya, Indonesia
Network Administrator of its.ac.id, manage all network devices such as switches, routers and servers.

1999-2002 **Judistira Webhosting** — Surabaya, Indonesia
Network Administrator of web hosting provider, manage all servers and web developer

research experience

2017-Now **Human Centric Multimedia** — Surabaya, Indonesia
Head of Lab
Research about Multimedia and Internet of Things

- Augmented and Virtual Reality
- Human-Centric, Interaction with Computer Vision and Speech Recognition-Understanding
- Internet of Things and BigData
- Application of Machine Learning and Artificial Intelligence

2013-2017 **EEPIS Robotics Research Center (ER2C)** — Surabaya, Indonesia
Senior Researcher
Research about Cyber-Physical Systems

- MicroKernel OS for Embedded System

– Human Robot Interaction with Computer Vision and Speech Recognition-Understanding

– Internet of Things and BigData

2008-2013 **Distributed System Lab, Okayama University** Okayama, Japan
Research Assistant under supervised by Prof. Nobuo Funabiki
Research about Communication Networks

– Wireless Mesh Networks

– Real-time wireless communication

– Mac protocol

2004-2008 **Computer Network Units of EEPIS** Surabaya, Indonesia
Research on

– Computer Networks

– Computer Vision and Speech Recognition

– Integrity Systems

2003-2004 **Tohoku University** Sendai, Japan
Visiting Reseacher under supervised by Prof. Takafumi Aoki
Research on

– Biometric Fingerprint Matching

– Parallel Computing

– Embedded System

award and certification

2020 **Exin Agile Scrum Master** EXIN
Credential Link

2020 **Exin Agile Scrum Foundation** EXIN
Credential Link

2020 **AgilePM Foundation** APMG International
Credential Link

2020 **ISO27001 Lead Auditor - Information Security Certification** Intertek
ID: 211206

2020 **CertNexus Certified Internet of Things Practioner (CIOTP)** CertNexus
Credential link

2020 **Pro Tools Certified User** AVID
Credential link

2019 **Best Paper Award** IES2019, Indonesia
Designing of a Smart Collar for Dairy Cow Behavior Monitoring with Application Monitoring in Microservices and Internet of Things-Based Systems,
Yogi Putra Pratama, Dwi Kurnia Basuki, Sritrusta Sukaridhoto, Alviansyah
Arman Yusuf, Heri Yulianus, Faruq Faruq, Fariz Bramasta Putra; (2019 International Electronics Symposium (IES)), Indonesia

2018	**Best Paper Award**	TELKOMNIKA, Indonesia

Implementation Integration of VaaMSN with SEMAR for Air Monitoring Solution, Yohanes Yohanie Fridelin Panduman, Adnan Rachmat Anom Besari, Sritrusta Sukaridhoto, Rizqi Putri Nourma Budiarti, Rahardhita Widyatra Sudibyo, Funabiki Nobuo; TELKOMNIKA (Telecommunication Computing Electronics and Control), Indonesia

2013-2016	**Dosen Joss**	Politeknik Elektronika Negeri Surabaya

Annual award for the best lecturer in department.

2014	**Best Paper Award**	The 16th International Electronics Symposium, Indonesia

Application Programming Interface Design of Microkernel Based Robotics Operating System, Adhe Widianjaya, Dadet Pramadihanto, Sritrusta Sukaridhoto; The 16th International Electronics Symposium, Indonesia

2009	**IEEE's Young Researcher Award**	ISCE2009, Japan

2009	**Monbusho Scholarship for Doctoral Program**	Okayama University, Japan

2008	**CCNA Certified**	CISCO

CISCO ID : CSCO11381768

2007	**Best Paper Award**	Seminar Nasional Open-Source Software ke-2, Indonesia

"Sistem Pendeteksi Gambar Porno", Dadet Pramadihanto, Sritrusta Sukaridhoto, Muhammad Fatoni A, Rudy Cahyadi H; Prosiding Seminar Nasional Open Source Software ke-2 2007

intellectual property rights

2018	**ALAT MONITORING KONDISI MOBIL SECARA REAL TIME BERBASIS INTERNET OF THINGS (IOTs)**	Patent

ID: S00201806038

2018	**V-Health Rest (Vehicle Health Report Assistant) – Teknologi Mobil Pintar Untuk Meningkatkan Service Dan Security Menuju Indonesia Smart City**	Copyright

ID: EC00201806826

2018	**PROGRAM KOMPUTER SISTEM MONITORING KONDISI MOBIL PADA ECU MOBYDIC 4910 SECARA REAL-TIME BERBASIS INTERNET OF THINGS**	Copyright

ID: EC00201807850

research grants

2020	**Implementasi Vehicle as a Mobile Sensor Network terintegrasi dengan Smart Environment Monitoring and Analytics in Real-time (SEMAR) system sebagai Pemantau Permukaan Jalan dan Lingkungan untuk mendukung Smart City**	DIKTI

Penelitian Terapan Unggulan Perguruan Tinggi (Lead) - year: 3 of 3 - Rp. 143.310.000,-

2020 **Implementasi Teknologi Portable Ubiquitous Health (U-Health) Dengan Layanan Cloud Untuk Mendukung Smart Health Buatan Indonesia** DIKTI
Penelitian Terapan Unggulan Perguruan Tinggi - year: 3 of 3 - Rp. 132.860.000,-

2019 **Implementasi Vehicle as a Mobile Sensor Network terintegrasi dengan Smart Environment Monitoring and Analytics in Real-time (SEMAR) system sebagai Pemantau Permukaan Jalan dan Lingkungan untuk mendukung Smart City** DIKTI
Penelitian Terapan Unggulan Perguruan Tinggi (Lead) - year: 2 of 3 - Rp. 143.310.000,-

2019 **Implementasi Teknologi Portable Ubiquitous Health (U-Health) Dengan Layanan Cloud Untuk Mendukung Smart Health Buatan Indonesia** DIKTI
Penelitian Terapan Unggulan Perguruan Tinggi - year: 2 of 3 - Rp. 132.860.000,-

2019 **INTELIGENT SYSTEM DEVELOPMENT FOR AUTOMATIC CLASSIFICATION OF FRUIT DEFECT** DIKTI
Penelitian Kompetitif Nasional (PPS-PTM) - year: 1 of 1 - Rp. 49.600.000,-

2018 **Implementasi Vehicle as a Mobile Sensor Network terintegrasi dengan Smart Environment Monitoring and Analytics in Real-time (SEMAR) system sebagai Pemantau Permukaan Jalan dan Lingkungan untuk mendukung Smart City** DIKTI
Penelitian Terapan Unggulan Perguruan Tinggi (Lead) - year: 1 of 3 - Rp. 120.000.000,-

2018 **Implementasi Teknologi Portable Ubiquitous Health (U-Health) Dengan Layanan Cloud Untuk Mendukung Smart Health Buatan Indonesia** DIKTI
Penelitian Terapan Unggulan Perguruan Tinggi (Member) - year: 1 of 3 - Rp. 120.000.000,-

2018 **Revitalisasi Sistem Jejaring Radio HF Untuk Mendukung Implementasi Jejaring Radio Pemerintah – GRN** DIKTI
Penelitian Terapan Unggulan Perguruan Tinggi (Member) - year: 1 of 3 - Rp. 130.000.000,-

2018 **Pusat Pendidikan dan Pelatihan Embedded System Bersertifikasi Sebagai Upaya Penyiapan Sumber Daya Manusia Menjelang Masyarakat Ekonomi ASEAN** DIKTI
Ipteks Bagi Inovasi Kreativitas Kampus (Member) - year: 3 of 3 - Rp. 150.000.000,- + Rp 50.000.000,-

2018 **Industrial Edge Computing** CISCO System Indonesia
inKind

2018 **Industrial Internet of Things** Ichii Industries Indonesia
inKind

2018 **IoT - Smartglass for Industrial Factory Assistant** TMMIN
inKind

2017 **DESIGN AND DEVELOPMENT OF UNMANNED UNDERWATER VEHI-CLES FOR ENVIRONMENTAL MONITORING AND DATA ACQUISITION COMPATIBLE WITH 5D WORLD MAP SYSTEM IN INTERNET OF UN-DERWATER THINGS**   DIKTI
Penelitian Kerjasama Luar Negeri dan Publikasi International - year: 3 of 3
- Rp. 151.000.000,-

2017 **Pusat Pendidikan dan Pelatihan Embedded System Bersertifikasi Sebagai Upaya Penyiapan Sumber Daya Manusia Menjelang Masyarakat Ekonomi ASEAN**   DIKTI
Ipteks Bagi Inovasi Kreativitas Kampus - year: 2 of 3 - Rp. 189.000.000,-
+ Rp 50.000.000,-

2017 **Industrial Internet of Things**   Ichii Industries Indonesia
inKind

2017 **CSR for Robotics and IoT**   TMMIN
inKind

2016 **DESIGN AND DEVELOPMENT OF UNMANNED UNDERWATER VEHI-CLES FOR ENVIRONMENTAL MONITORING AND DATA ACQUISITION COMPATIBLE WITH 5D WORLD MAP SYSTEM IN INTERNET OF UN-DERWATER THINGS**   DIKTI
Penelitian Kerjasama Luar Negeri dan Publikasi International - year: 2 of 3
- Rp. 160.000.000,-

2016 **Pusat Pendidikan dan Pelatihan Embedded System Bersertifikasi Sebagai Upaya Penyiapan Sumber Daya Manusia Menjelang Masyarakat Ekonomi ASEAN**   DIKTI
Ipteks Bagi Inovasi Kreativitas Kampus - year: 1 of 3 - Rp. 189.000.000,-
+ Rp 50.000.000,-

2015 **DESIGN AND DEVELOPMENT OF UNMANNED UNDERWATER VEHI-CLES FOR ENVIRONMENTAL MONITORING AND DATA ACQUISITION COMPATIBLE WITH 5D WORLD MAP SYSTEM IN INTERNET OF UN-DERWATER THINGS**   DIKTI
Penelitian Kerjasama Luar Negeri dan Publikasi International - year: 1 of 3
- Rp. 157.500.000,-

2015 **Virtual Reality Lab sebagai penunjang Perkuliahan Terbuka Jarak Jauh (PTJJ)**   Seamolec
Penelitian Hibah PTJJ Seamolec - Rp 10.000.000,-

2014 **PENGEMBANGAN ARSITEKTUR KOMPUTASI DAN SISTEM OPERASI ROBOTIKA UNTUK PENINGKATAN DAYA SAING APLIKASI ROBOTIKA NASIONAL**   DIKTI
Penelitian Unggulan Perguruan Tinggi - year: 2 of 5 - Rp 200.000.000,-

2005 **Rancang Bangun Prototype Mesin Verifikasi Sidik Jari Compact and Mobile dengan Algoritma Phase-Only Correlation Berbasis Embedded System**   DIKTI
Penelitian Hibah Bersaing - Rp 40.000.000,-

2005 **Studi dan Penerapan Teknologi Biometric Fingerprint Matching – Phase Only Correlation Pada Embedded System**   DIKTI
Penelitian Dosen Muda - Rp 10.000.000,-

interests

research: computer networks, embedded system, multimedia & Internet of Things
personal: play guitar, read comics, have fun with my kids

signature

The fully truth of the details are guaranteed. With strong sense of responsibility, hands on management and communication skills. Strong loyalty and self-motivation.

regards,

Sritrusta Sukaridhoto, ST. Ph.D.