

CURRICULUM VITAE

Ir. Dadet Pramadihanto, M.Eng., Ph.D.



Ir. Dadet Pramadihanto, M.Eng., Ph.D. Saat ini bekerja di Departemen Teknik Komputer, Politeknik Elektronika Negeri Surabaya (PENS) dan memimpin Pusat *Robotics and Intelligent Systems (The Robotics and Intelligent Systems Center/RoISC)*. Proyek risetnya saat ini adalah *Humanoid Robot, Service Robot, Computer Vision, Ultralight Urban Vehicle, Underwater Vehicle, and Precision Agriculture*. Riset yang dilakukan berkolaborasi dengan Pusan National University, Okayama University dan Toyohashi University of Technology.

RIWAYAT PENELITIAN

FLow: PLATFORM RISET HUMAN-LIKE ROBOT UNTUK MENGEMBANGKAN SISTEM DINAMIK, INTELEGENSIA DAN INTERAKSI MANUSIA-ROBOT DALAM MEMBANGUN PRODUK DAN TEKNOLOGI ROBOTIKA YANG BERDAYA SAING GLOBAL	Ristekdikti
DESIGN AND DEVELOPMENT OF UNMANNED UNDERWATER VEHICLES FOR ENVIRONMENTAL MONITORING AND DATA ACQUISITION COMPATIBLE WITH 5D WORLD MAP SYSTEM IN INTERNET OF UNDERWATER THINGS	Ristekdikti
PENGEMBANGAN ARSITEKTUR KOMPUTASI DAN SISTEM OPERASI ROBOTIKA UNTUK PENINGKATAN DAYA SAING APLIKASI ROBOTIKA NASIONAL	Ristekdikti

RIWAYAT PENGABDIAN KEPADA MASYARAKAT

MODUL ROBOT EDUKASI LOKAL UNTUK MENUNJANG DAYA SAING TEKNOLOGI ROBOTIKA NASIONAL SERTA PENGEMBANGAN KREATIFITAS DAN PENYERAPAN IPTEKS BAGI SISWA SEKOLAH	Ristekdikti
MODUL ROBOT EDUKASI LOKAL UNTUK MENUNJANG DAYA SAING TEKNOLOGI ROBOTIKA NASIONAL SERTA PENGEMBANGAN KREATIFITAS DAN PENYERAPAN IPTEKS BAGI SISWA SEKOLAH	

PUBLIKASI ILMIAH

Quartile	Publications	Citation
-	Face and facial feature extraction from color image Proceedings of the International Conference on Automatic Face and Gesture Recognition vol: issue : 1996-12-01 Conference Proceedin	34
-	Control for balancing line follower robot using discrete cascaded PID algorithm on ADROIT V1 educati Proceedings - 2015 International Electronics Symposium: Emerging Technology in Electronic and Inform vol: issue : 2016-01-12 Conference Proceedin	10
Q3	Integrated person identification and expression recognition from facial images IEICE Transactions on Information and Systems vol: E84-D issue : 7 2001-01-01 Journal	9
-	A design of radio-controlled submarine modification for river water quality monitoring 2015 International Seminar on Intelligent Technology and Its Applications, ISITIA 2015 - Proceeding vol: issue : 2015-08-24 Conference Proceedin	9
Q3	A comparative study of open source softwares for virtualization with streaming server applications Digest of Technical Papers - IEEE International Conference on Consumer Electronics vol: issue : 2009-10-27 Conference Proceedin	8
-	Tilt set-point correction system for balancing robot using PID controller ICCEREC 2015 - International Conference on Control, Electronics, Renewable Energy and Communications vol: issue : 2015-11-24 Conference Proceedin	8
-	FLoW bipedal robot: Squat and walk motions Advanced Science Letters vol: 23 issue : 5 2017-05-01 Journal	8
-	Ball tracking and goal detection for middle size soccer robot using omnidirectional camera Proceedings - 2016 International Electronics Symposium, IES 2016 vol: issue : 2017-02-21 Conference Proceedin	8
-	FLoW bipedal robot: Walking pattern generation Proceedings - 2015 International Electronics Symposium: Emerging Technology in Electronic and Inform vol: issue : 2016-01-12 Conference Proceedin	7
Q2	Merging of depth image between stereo camera and structure sensor on robot "flow" vision International Journal on Advanced Science, Engineering and Information Technology vol: 7 issue : 3 2017-01-01 Journal	7
-	FLoW bipedal robot: Hula hoop motion ICCEREC 2015 - International Conference on Control, Electronics, Renewable Energy and Communications vol: issue : 2015-11-24 Conference Proceedin	6
-	Invariant face recognition by Gabor wavelets and neural network matching Proceedings of the IEEE International Conference on Systems, Man and Cybernetics vol: 1 issue : 1996-12-01 Conference Proceedin	5
-	FLoW head: 7 DOF mechanism for FLoW humanoid ICCEREC 2015 - International Conference on Control, Electronics, Renewable Energy and Communications vol: issue : 2015-11-24 Conference Proceedin	5

Quartile	Publications	Citation
-	Effectiveness of bicycle path planning method and pure pursuit method on omni-directional mobile rob ICCEREC 2015 - International Conference on Control, Electronics, Renewable Energy and Communications vol: issue : 2015-11-24 Conference Proceedin	5
-	Walking strategy model based on zero moment point with single inverted pendulum approach in T-FLoW Proceedings - 2017 2nd International Conferences on Information Technology, Information Systems and vol: 2018-January issue : 2018-02-07 Conference Proceedin	5
-	PENS-wheel (one-wheeled self balancing vehicle) balancing control using PID controller Proceedings - 2016 International Electronics Symposium, IES 2016 vol: issue : 2017-02-21 Conference Proceedin	4
-	Relation between eye movement and fatigue: Classification of morning and afternoon measurement based International Conference on Instrumentation, Communication, Information Technology, and Biomedical E vol: issue : 2009-12-01 Conference Proceedin	3
-	FLoW vision: Depth image enhancement by combining stereo RGB-depth sensor 2016 International Conference on Knowledge Creation and Intelligent Computing, KCIC 2016 vol: issue : 2017-03-20 Conference Proceedin	3
-	EROV: Preliminary Design of 5 DOF ROV using 6 Thrusters Configuration 2018 International Electronics Symposium on Engineering Technology and Applications, IES-ETA 2018 - vol: issue : 2019-01-16 Conference Proceedin	3
-	FLoW: Achieve native multi threading support for embedded system through microkernel ICCEREC 2015 - International Conference on Control, Electronics, Renewable Energy and Communications vol: issue : 2015-11-24 Conference Proceedin	2
-	Smart presentation system using hand gestures and Indonesian speech command Proceedings - 2015 International Electronics Symposium: Emerging Technology in Electronic and Inform vol: issue : 2016-01-12 Conference Proceedin	2
Q4	Real time global scheduling analysis for generalized dag task upon heterogeneous machine Journal of Telecommunication, Electronic and Computer Engineering vol: 9 issue : 2-5 2017-01-01 Journal	2
-	Trajectory dancing modelling of humanoid robot dancing 33 degree of freedom Proceedings - 2016 International Electronics Symposium, IES 2016 vol: issue : 2017-02-21 Conference Proceedin	2
Q4	Implementation of Push Recovery Strategy Using Triple Linear Inverted Pendulum Model in "t-FLoW" Hum Journal of Physics: Conference Series vol: 1007 issue : 1 2018-04-30 Conference Proceedin	2
-	Real time facial expression simulator using OpenGL IWACIII 2011 - International Workshop on Advanced Computational Intelligence and Intelligent Informa vol: issue : 2011-12-01 Conference Proceedin	1
-	A fixed backoff-time switching method for wireless mesh networks: Design and Linux implementation	1

Quartile	Publications	Citation
	Proceedings - 2013 International Conference on Information Technology and Electrical Engineering: "I vol: issue : 2013-01-01 Conference Proceedin	
-	Computer Vision Based Analysis for Cursor Control Using Object Tracking and Color Detection Proceedings - 2014 7th International Symposium on Computational Intelligence and Design, ISCID 2014 vol: 2 issue : 2015-04-08 Conference Proceedin	1
-	Speech generation for humanoid robot interaction 2016 International Conference on Knowledge Creation and Intelligent Computing, KCIC 2016 vol: issue : 2017-03-20 Conference Proceedin	1
Q4	Transformed stereo vision and structure sensor for development 3D mapping on FLoW humanoid robot in Journal of Telecommunication, Electronic and Computer Engineering vol: 9 issue : 2-5 2017-01-01 Journal	1
-	Speed and balancing control for unicycle robot Proceedings - 2016 International Electronics Symposium, IES 2016 vol: issue : 2017-02-21 Conference Proceedin	
-	PENS-wheel (self balancing one-wheel vehicle) mechanical design and sensor system Proceedings - 2016 International Electronics Symposium, IES 2016 vol: issue : 2017-02-21 Conference Proceedin	1
-	Basic walking trajectory analysis in FLoW ROBOT Proceedings - 2016 International Electronics Symposium, IES 2016 vol: issue : 2017-02-21 Conference Proceedin	1
-	Kalman filter for angle estimation using dual inertial measurement units on unicycle robot Proceedings - 2016 International Electronics Symposium, IES 2016 vol: issue : 2017-02-21 Conference Proceedin	1
-	True random and adjustable memory management evaluation framework with Markov chain Proceedings - International Electronics Symposium on Knowledge Creation and Intelligent Computing, I vol: 2017-January issue : 2017-12-19 Conference Proceedin	1
-	Detecting and tracking of traditional instrument with different camera vision Proceedings - International Electronics Symposium on Knowledge Creation and Intelligent Computing, I vol: 2017-January issue : 2017-12-19 Conference Proceedin	1
-	Dance motion pattern planning for K. Mei as dancing humanoid robot Proceedings of the 2017 International Conference on Robotics, Biomimetics, and Intelligent Computati vol: 2017-December issue : 2017-12-13 Conference Proceedin	1
-	Implementation of direct pass strategy during moving ball for T-FLoW Humanoid Robot Proceedings - 2017 2nd International Conferences on Information Technology, Information Systems and vol: 2018-January issue : 2018-02-07 Conference Proceedin	1
-	Making short movie using 3D professional camera International Electronics Symposium on Knowledge Creation and Intelligent Computing, IES-KCIC 2018 - vol: issue : 2019-01-28 Conference Proceedin	1
-	Message passing support for FLoW microkernel International Electronics Symposium on Knowledge Creation and Intelligent Computing, IES-KCIC 2018 - vol: issue : 2019-01-28 Conference Proceedin	1

Quartile	Publications	Citation
-	Face recognition from a single view based on flexible neural network matching Robot and Human Communication - Proceedings of the IEEE International Workshop vol: issue : 1996-12-01 Conference Proceedin	0
Q4	Challenge in urban flood mitigating system: Decision support based on cyber-physical-human infrastru Frontiers in Artificial Intelligence and Applications vol: 272 issue : 2014-01-01 Book Series	0
Q3	Identifying faces under varying pose using a single example view Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and vol: 1352 issue : 1997-01-01 Book Series	0
-	FLoW-Linux: Virtualization distribution scheme for fault tolerant and system enhancement Proceedings - 2016 International Electronics Symposium, IES 2016 vol: issue : 2017-02-21 Conference Proceedin	0
-	Neuro-based controller for push recovery behavior under external perturbations in biped robot Proceedings - 2016 International Electronics Symposium, IES 2016 vol: issue : 2017-02-21 Conference Proceedin	0
-	Kinematic analysis of 7 DoF head humanoid FLoW: V-REP simulation Proceedings - 2016 International Electronics Symposium, IES 2016 vol: issue : 2017-02-21 Conference Proceedin	0
-	Multi-group particle swarm optimization with random redistribution Proceedings - International Electronics Symposium on Knowledge Creation and Intelligent Computing, I vol: 2017-January issue : 2017-12-19 Conference Proceedin	0
Q4	Generate an Optimum Lightweight Legs Structure Design Based on Critical Posture in A-FLoW Humanoid R Journal of Physics: Conference Series vol: 1007 issue : 1 2018-04-30 Conference Proceedin	0
-	Multi process matching depth image between stereo camera and structure sensor in realtime Proceedings IES-ETA 2017 - International Electronics Symposium on Engineering Technology and Applica vol: 2017-December issue : 2017-12-26 Conference Proceedin	0
-	Total kinematic on humanoid FLoW Teen-Size robot Proceedings IES-ETA 2017 - International Electronics Symposium on Engineering Technology and Applica vol: 2017-December issue : 2017-12-26 Conference Proceedin	0
-	Fall Detection in T-FLoW Humanoid Robot: V-REP Simulation 2018 International Electronics Symposium on Engineering Technology and Applications, IES-ETA 2018 - vol: issue : 2019-01-16 Conference Proceedin	0