



ICAMIMIA

INTERNATIONAL CONFERENCE ON ADVANCED MECHATRONICS,
INTELLIGENT MANUFACTURE, AND INDUSTRIAL AUTOMATION



BOOK of ABSTRACT

ICAMIMIA 2017

INTERNATIONAL CONFERENCE ON ADVANCED MECHATRONICS,
INTELLIGENT MANUFACTURE, AND INDUSTRIAL AUTOMATION

12-14th October 2017

Gedung Pusat Robotika Institut Teknologi Sepuluh Nopember
Surabaya, Indonesia

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**International Conference On Advanced
Mechatronics, Intelligent Manufacture and
Industrila Automation (ICAMIMIA) 2017**

Surabaya, 12-14th October 2017

*Disruptive and Robust Innovation for
Mechatronics Technology*

Program and Abstract

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- Zein Firdaus Ramadhan

Time	Activities
Thursday, 12 October 2017	
07.30 - 08.00	Registration
08.00 - 08.15	Welcoming dance
08.15 - 08.45	Opening Ceremony: 1. Welcoming speech by Chair 2. Opening speech by Rector of ITS
08.45 - 09.00	Photo Session
09.00 - 09.45	Keynote speaker 1: Dr. Ir. Endra Pitowarno, M.Eng Politeknik Elektronika Negeri Surabaya (On the 3rd-order Jerk-like Control Methods of the Proportional-Integral-Derivative Active Force Control and its Application to Low-level Control of 3D- High Speed Vehicle Motion)
09.45 - 10.00	Coffe break 1
10.00 - 10.45	Keynote speaker 2: Pascal Dricot Siemens Indonesia Ltd (Siemens Contributions to Indonesia's infrastructure)
10.45 - 11.30	Keynote speaker 3: Dr. Sreenatha G. Anavati UNSW Canberra, Australia (The Development of Neural Networks applications Perception to Deep Learning)
11.30 - 12.15	Keynote speaker 4: Aifina Wijanarko, S.T., PMP, CFT Rockwell Automation Southeast Asia Pte. Ltd (The Rise of Smart Machines – Integrated Industrial IoT Machines in Smart Manufacturing)
12.15 - 13.00	Break, Lunch
13.00 - 15.00	Parallel Session 1
15.00 - 15.30	Coffe break 2
15.30 - 16.30	Parallel Session 2
16.30 - 17.00	Tour Registration
Friday, 13 October 2017	
08.00 - 09.00	Registration
09.00 - 09.45	Keynote speaker 5: A/Prof. Mahardhika Pratama Nanyang Technological University, Singapore
09.45 - 10.15	Coffe break 1
10.15 - 11.00	Keynote speaker 6: Aris Budiarto, Dipl. Ing PT. Bhimasena Research and Development, Indonesia (Research and development on vehicle design for strategic mission: Bhimasena's Role)
11.00 - 13.00	Break, Lunch
13.00 - 14.30	Parallel session 3
14.30 - 14.45	Closing ceremony (in each room)

TIME	SESSION III				
	ROOM A	ROOM B	ROOM C	ROOM D	ROOM E
Friday, 13 October 2017					
13.00-13.15	E-1570394117	E-1570399621	ME-1570390886	ME-1570399654	M-1570399542
13.15-13.30	E-1570399907	E-1570386080	ME-1570392809	ME-1570392872	M-1570399543
13.30-13.45	E-1570396897	ME-1570399645	ME-1570403601	ME-1570399650	M-1570396908
13.45-14.00	E-1570397358	ME-1570398138	ME-1570396176	E-1570397719	E-1570399494
14.00-14.15			ME-1570399540		ME-155000001
14.15-14.30					

ARDUINO - BASED SIMULATOR OF PASSENGER COUNTER ONBOARD COMMERCIAL AEROPLANES

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Indonesia

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ABSTRACT

Counting passengers manually onboard aircraft is a mandatory by regulation, yet this method takes times and may lead to delayed departure, more over onboard big aircrafts, responding this situation an electronic counting system is developed to ease counting process. Electronic counting system could minimize error and reduce counting time, it is built on digital sensors placed beneath each seat and will be detecting the presence of a passenger while being seated. Digital signals output from each sensor are then processed by a micro controller to be presented on an Liquid Crystal Display in the rear cabin showing the amount of passenger boarded.

Keywords: passengers. LDR, Microcontroller, seats the plane, counter

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This certificate is awarded to

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In recognition of valuable contribution as **PRESENTER** of paper entitled:

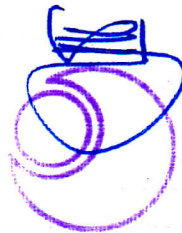
**ARDUINO - BASED SIMULATOR OF PASSENGER COUNTER ONBOARD COMMERCIAL
AEROPLANES**

12-14th October 2017, Gedung Pusat Robotika ITS, Surabaya, Indonesia

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