

# CURRICULUM VITAE

## A. Personal Identity

1	Full Name (with title)	Prof. Dr. Ir. Mohammad Nuh, DEA
2	Functional Position	Professor
3	Structural Position	
4	Staff ID Number	195906171984031002
5	National Lecturer Identification Number	0017065914
6	Place and Date of Birth	Surabaya, 17 June 1959
7	Home Address	Rungkut Asri Utara St. No 3-5, Surabaya
8	Phone Number / Fax / HP	+62811346504
9	Office Address	Biomedical Engineering Department, ITS Campus, Keputih, Sukolilo, Surabaya, East Java
10	Email	nuh@ee.its.ac.id / nuh@bme.its.ac.id / nuh@elect-eng.its.ac.id

## B. Education Background

	Bachelor's	Master's	Doctorate
College Name	Sepuluh Nopember Institute of Technology	USTL Montpellier, France	USTL Montpellier, France
Field of Study	Electrical Engineering –Control System	Signaux et System (Signal & System)	Biomedical System
Entry – Graduate Year	1978—1983	1986—1987	1988—1990

## C. Short Description about Research Related to Study Program's Development

Title : *Pemanfaatan Faktor Resiko, Data Electrocardiograph, Dan Photoplethysmograph Untuk Prediksi Hipertensi*

## D. Social Service Experiences

No	Year	Social Dedication Subject
1	2019	Electric Wheelchair Socialization
2	2018	Dissemination of ITS Biomedical Engineering Department's Research Results to Airlangga University Faculty of Medicine

## E. Scientific Article Writing Experiences in Journals

No	Scientific Article Subject	Vol/No/Year	Journal Name
1	Basith, Aidatunisadina Linazizah; Setiawan, Stanley; Arifin, Achmad; Arrofiqi, Fauzan; Nuh, Muhammad,  “Design and Tests of A Wearable Functional Electrical Stimulation (FES) System for Knee Joint Movement Using Cycle-To-Cycle Control Method”	Vol.95/No.11/2017	Journal of Theoretical and Applied Information Technology, pp. 2523-2571.
2	Fitrianto, Idil; Fitrianto, Idil; Arifin, Achmad; Nuh, Mohammad; Fitrianto, Idil; Arifin, Achmad;  “Rancangan Kontroler Perangkat Keras EH1 Milano Dengan Modul Wireless Electronics”,	Vol.4/No.1/2015	Jurnal Teknik ITS, pp. A53–A58, 2015
3	Fuad, Muhammad Faris Zaini; Arifin, Achmad; Nuh, Mohammad;  “Perbaikan Sistem Kendali Robot Tangan EH1 Milano Menggunakan Sistem Kendali Loop Tertutup”	Vol.4/No.1/2015	Jurnal Teknik ITS, pp. A59–A64, 2015
4	Triwiyatno, Aris; Nuh, Mohammad; Santoso, Ari; Sutantra, I Nyoman;  “Engine Torque Control of Spark Ignition Engine using Fuzzy Gain Scheduling”	Vol.10/No.1/2012	International Journal of Electrical Electronics Research & Innovation (IJEERI), pp. 83
5	Agustinah, Trihastuti; Jazidie, Achmad; Nuh, Mohammad,;  “Fuzzy tracking control based on $H_{\infty}$ performance for nonlinear systems”	Vol.6/2011	WSEAS Trans. Sys. Cont, pp. 393-403
6	Agustinah, Trihastuti; Jazidie, Achmad; Nuh, Mohammad;  “Swinging up and tracking controller design for a pendulum-cart system using hybrid fuzzy control”	Vol.62/No. 2/2011	European Journal of Scientific Research, pp. 182-197, 2011
7	Triwiyatno, Aris; Nuh, Mohammad; Santoso, Ari; Sutantra, I Nyoman;  “Engine Torque Control of Spark Ignition Engine Using Robust Fuzzy Logic Control”	Vol.3/No. 4/2011	IACSIT International Journal of Engineering and Technology, pp. 2-8, 2011
8	Triwiyatno, Aris; Nuh, Mohammad; Santoso, Ari; Sutantra, I Nyoman; “A New Method of Robust Fuzzy Control : Case Study of Engine Torque Control of Spark Ignition Engine”,	Vol.3/No.5/2011	International Journal of Academic Research, pp. 178-185, 2011
9	Triwiyatno, Aris; Nuh, Mohammad; Santoso, Ari; Sutantra, I Nyoman;  “Engine Torque Control of Spark Ignition Engine	Vol.3/No. 4/2011	IACSIT International Journal of Engineering and Technology, pp. 352-

	Using Robust Fuzzy Logic Control”		358, 2011
<b>10</b>	Triwiyatno, Aris; Nuh, Mohammad; Santoso, Ari; Sutantra, I Nyoman;  “Engine Torque Control of SI Engine using Linear Quadratic Integral Tracking ( LQIT ) Optimal Control”	Vol.22/No.4/2011	Iptek, pp. 190-197, 2011
<b>11</b>	Triwiyatno, Aris; Nuh, Mohammad; Santoso, Ari; Sutantra, I Nyoman;  “Fuzzy State Observer Design for Engine Torque Control System of Spark Ignition Engine”,	Vol.11/No.3/2009	TRANSMISI, pp. 159-165, 2009
<b>12</b>	Triwiyatno, Aris; Nuh, Mohammad; Santoso, Ari; Sutantra, I Nyoman;  “T-S Fuzzy Model Design for Engine Torque Control System of Spark Ignition Engine”	Vol.11/No.1/2009	TRANSMISI, pp. 177-182, 2009

#### **F. Oral Scientific Article Publication on Summit / Seminar Experiences**

No	Summit Name	Scientific Article Subject	Time and Place
<b>1</b>		Design of complex data acquisition system for kinetics, kinematics, and kinesiological gait analysis	2017
<b>2</b>	International Seminar on Intelligent Technology and Its Application, pp. 89-94, 2016	Arifin, A; Arrofiqi, F; Watanabe, T; Nuh, M; Basith, A. L.;  “Embedded Fuzzy Logic Controller for Functional Electrical Stimulation System”	2016
<b>3</b>	International Electronics Symposium (IES), pp. 100-104, IEEE, 2016	Kuswadi, Son; Barakbah, Ali Ridho; Nuh, Mohammad;  “An integrated project-based learning for Intelligent Control lecture and practice at polytechnics graduate school”	2016
<b>4</b>	IEEE International Conference on Computer Science and Automation Engineering, Vol. 4, pp. 109-113, IEEE, 2011	Agustinah, Trihastuti; Jazidie, Achmad; Nuh, Mohammad;  “Hybrid fuzzy control for swinging up and stabilizing of the pendulum-cart system”,	2011

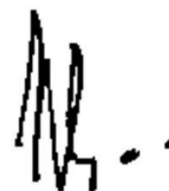
<b>5</b>	International Conference on System Science and Engineering, pp. 275-280, IEEE, 2010	Agustinah, Trihastuti; Jazidie, Achmad; Nuh, Mohammad; Haiping Du, Haiping; Du, Haiping; “Fuzzy tracking control design using observer-based stabilizing compensator for nonlinear systems”	2010
<b>6</b>	Circuits and Systems, 2002. APCCAS'02. 2002 Asia-Pacific Conference on, Vol. 2, pp. 565-568, IEEE, 2002	Ari, Santoso; Belier, B.; Nuh, M.; Jazidie, Ach; Rameli, M.; Castagne, M.; Falgayrttes, P. “Applied of look up table controller based of FLC (fuzzy logic controller) in non-linear system AFM (atomic force microscopy)/PSTM (photon scanning tunnel microscope)”	2002
<b>7</b>	IEEE Asia-Pacific Conference on Circuits and Systems, Proceedings, APCCAS, Vol. 2, pp. 483-486, IEEE, 2002	Nuh, M.; Jazidie, A.; Muslim, M.A.; “Automatic detection of epileptic spikes based on wavelet neural network”	2002
<b>8</b>	23rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Vol. 4, pp. 3904-3908, 2001	Nuh, Mohammad; Jazidie, Achmad; Kuswadi, Son; Kemalasarri; “Temperature distribution pattern in normal and cancer tissues: the effect of electromagnetic wave”,	2001
<b>9</b>	International Symposium on Nonlinear Theory and Its Applications (NOLTA'99), Hilton Waikoloa, Hawaii, USA, Nov, pp. 527-530, 1999	Kuswadi, Son; Widodo, W; Wahyudi, S; NUH, Mohammad; Saito, Osami; “Flexible arm structure control using adaptive fuzzy network”	1999

### G. Book Writing Experiences

No	Book Subject	Year	Number of Pages	Publisher
1	Kuswadi, Son; Basuki, Achmad; Nuh, Mohammad; Saito, Osami,  “A Genetic Algorithm For Polytechnic Time Tabling (EEPIS Timetabling Case Study)”	1999	5 pp. 1—5	

All the data I filled and listed in this biodata is true and can be accounted by law. If later found inconsistency with the reality, I am willing to accept the risk.

Surabaya, 17 August 2020



(Prof. Dr. Ir. Mohammad Nuh, DEA)