1918
TALLINNA TEHNIKAÜLIKOOL
TALLINN UNIVERSITY OF TECHNOLOGY

Mechanical, Materials and Mechatronic Engineering

Prof. Dr. Vu Trieu Minh

Head of Mechanosystem - Department of Mechatronics

Building V, Room 313

Tallinn University of Technology

Email: vutrieuminh@yahoo.com

My brief CV

See my full C.V including Career, Research Activity, and Publications in the below link:
https://www.etis.ee/portaal/isikuCV.aspx?PersonVID=70559&lang=%3E%3E&lang=en

Prof., Dr. VU TRIEU MINH
Dept. of Mechatronics,
Tallinn University of Technology,
Ehitajate tee 5, 19086, Tallinn, **Estonia**

Education:

AIT Asian Institute of Technology

BẠI HỌC BÁCH KHOA

Ph.D.	**Mechatronics**, Asian Institute of Technology (**AIT**), Thailand, **2004**. *Dissertation:* **Studies of Model Predictive Control.** *Awarded with full scholarship from Austrian Government.*
Master	**Manufacturing System of Engineering**, Asian Institute of Technology (**AIT**), Thailand, **1999**. *Thesis:* **Development of a Distributed Process Control Model for Petrochemical Industry.** *Awarded with full scholarship from Vietnam Petroleum Corporation.*
Bachelor	**Mechanical Engineering**, Hanoi University of Technology (**HUT**), **1983**. *Major*: **Machine Tools.** *Awarded with full scholarship from the Vietnamese Government.*

Industrial Experience: Almost 20 years working in real industries as senior engineer of Automation and Countrol

2000 – 2001	Head of Technical Department, Petro Vietnam Investment Consultancy and Engineering Joint Stock Company (PVE), Vietnam Petroleum Corporation, Ho Chi Minh City, **Vietnam.** http://www.pvengineering.com.vn/
1995 – 1998	Senior Engineer on Automation & Control at VietGas Engineering Joint Stock Company (VGE), Vietnam Petroleum Corporation, Vung Tau City, **Vietnam.** www.petrovietnam.com.vn/
1989-1995	Senior Researcher at National Institute of Statistics & Informatics, Hanoi, **Vietnam**. Visiting faculty at Hanoi National University of Vietnam, Hanoi, **Vietnam.** http://www.vnu.edu.vn/en/
1983-1989	Senior Mechanical Design Engineer at Industrial Department, Hanoi, **Vietnam.** http://www.ypvn.com/en/

Industrial Experience: Design of SCADA (supervisory control and data acquisition) for 3 real projects

July 2005	Block B52 – Omon Gas Pipeline Project: Coordinator for the B52 – Omon Gas Pipeline Project, part of Gas Power Fertilizer Coordination Project to supply natural gas to a planned integrated power and fertilizer plant in Ca Mau province of Vietnam. The gas pipeline originates from the overlapping Vietnam-Malaysia area of the gulf of Thailand.
2000-2001	Rang Dong – Bach Ho Gas Pipeline Project: Development of a 40 Km offshore gas pipeline from Rang Dong to Bach Ho.
1995-1998	Bach Ho – Dinh Co Gas Pipeline Project: Design of the Control and SCADA systems for the 108 Km subsea transmission associate gas from Bach Ho offsea oil field to Dinh Co landing station at Vung Tau (South of Vietnam) Dinh Co Gas Processing Plant Project: Design of the Control System and Fire Fighting Systems for a gas processing plant. The outcome products are light gas (C1, C2), LPG (C3, C4), and Condensate (C5).

Academic Experience: Teaching in university from 2001-2014 in Thailand, Germany, Malaysia and Estonia.

Current teaching courses in Tallinn:

MHE0030 - Automotive Mechatronics (Master)
MHK0011 - Microcontrollers and Practical Robotics (Bachelor)
MHK0035 - Robot Systems and Sensor Technique Project (Master)
MHD9090 - Multibody Systems Dynamics (PhD)
MHD0050 - Differential Equations for Machine Mechanics (Master)
MHD0071 - Statics and Kinematics (Bachelor)
MXX9040 - Professional Training (PhD)

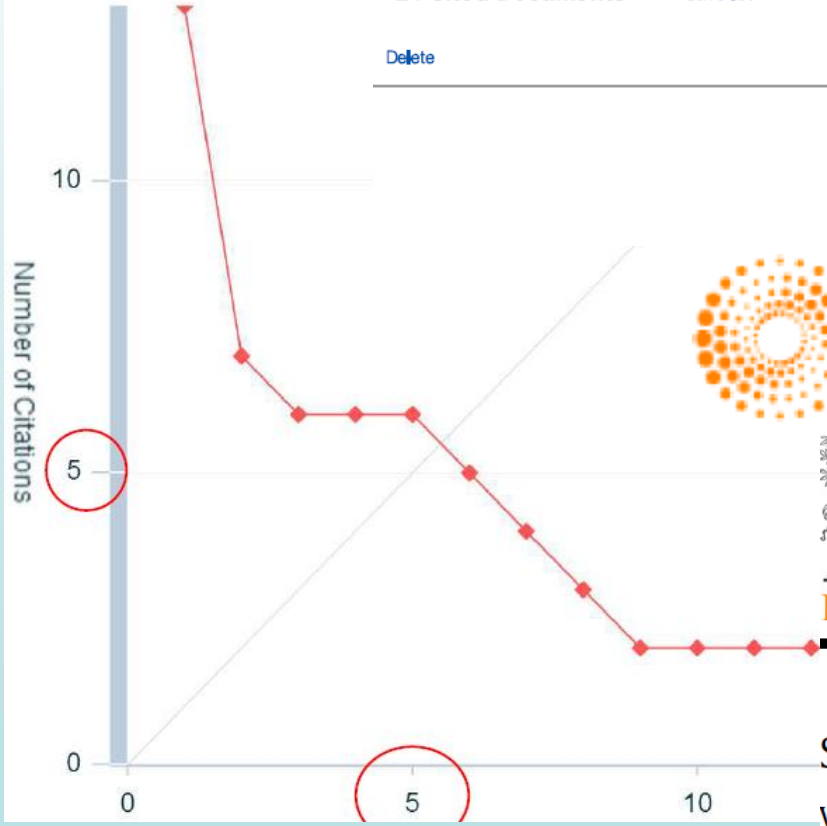
Academic Experience: Areas of Research Study

Mechatronics
Robotics and Automation
Automotive Engineering
Advanced Control Systems
Fuzzy NeuroNet, Intelligent Artificial
Microcontrollers, Embedded Systems
Mechatronics applications

Academic Experience: Have taught almost of courses in mechanical engnineering. Supervised a dozen of master students and four doctoral sutdents (completed)

Publications: First Author in 25 journal papers indexed by Web of Science, total 85 citations, H-Graph Index = 5

Document *h*-Graph



24 Cited Documents Save list

	Citations						
	<2012	2012	2013	2014	Subtotal	>2014	Total
Delete Total	21	16	17	11	44	0	65

h index = 5

Document *h* index

View h-Graph

Of the 24 documents considered for the *h* index, 5 have been cited at least 5 times.

Scopus does not have complete citation information for articles published before 1996.
About h-Graph

WEB OF SCIENCE™

ELSEVIER

Contents lists available at SciVerse ScienceDirect

Mathematical and Computer Modelling

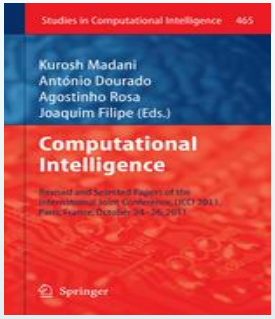
journal homepage: www.elsevier.com/locate/mcm

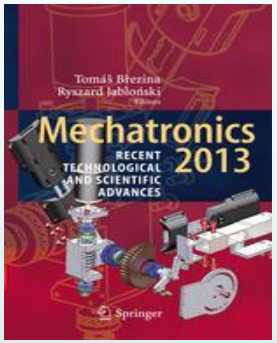
Stability for switched dynamic hybrid systems

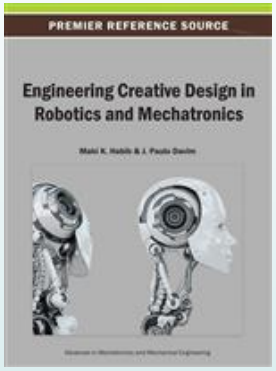
Vu Trieu Minh

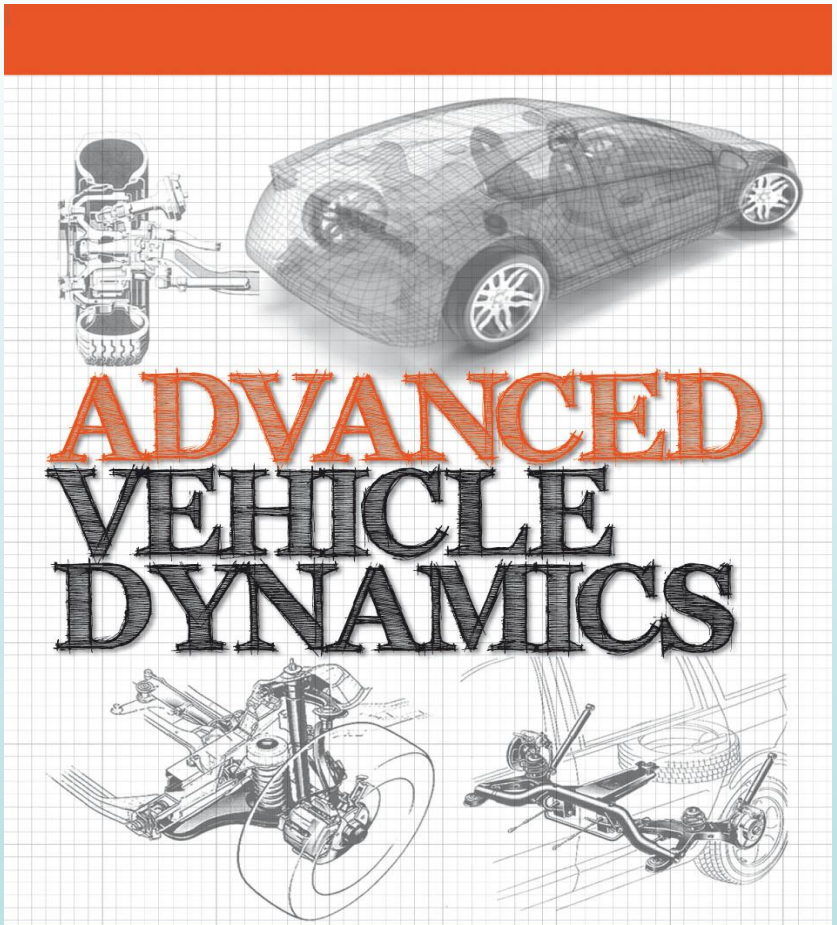
Publications: 2 books and 6 book chapters

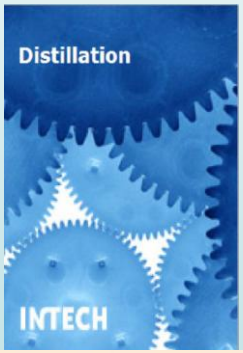
http://www.umpress.com.my/index.php?route=product/product&path=59_68&product_id=188

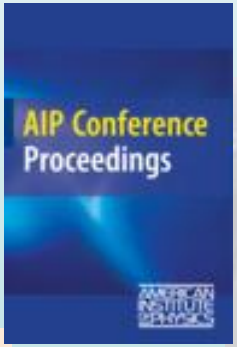












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Editorial Board in 2 Journals and Reviewing Committee in 8 journals

Global Journal of TECHNOLOGY and OPTIMIZATION
Worldwide coverage: Power, Energy, Controllers, Computing, Biotechnology, Informatics, Healthcare, Scheduling, Nano Physics, Chaos, Hybrid Optimization

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Tel: 1-323-984-7526; Fax: 1-323-984-7374, http://www.davidpublishing.com, order@davidpublishing.com

Welcome Letter for Editor Board Members

Editorial Board in:

Global Journal of Technology and Optimization

Journal of Control Science and Engineering

Mechanical and Mechatronics Engineering

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International Award to Professor Trieu Minh Vu from Faculty of Mechanical Engineering

http://www.ttu.ee/news/news-2/university-2/international-award-to-professor-trieu-minh-vu-from-faculty-of-mechanical-engineering/

Categories

International award to Professor Trieu Minh Vu from Faculty of Mechanical Engineering

12.02.14 @ 08.11 | University

Last changed: Kersti Vähi, 12.02.2014 08:13 | E-mail to author

Share

Head of Chair of Mechanosystem Components from Department of Mechatronics Professor Trieu Minh Vu has been awarded the Mechatronics, Informatics and Control Group's Donald Julius Groen Prize. The recognition has been given for a paper: 'Clutch control and vibration reduction for a hybrid electric vehicle', published in Proceedings of the Institution of Mechanical Engineers, Part I: Journal of Systems and Control Engineering. Donald Julius Groen Prize is issued by the Institution of Mechanical Engineers (IMechE) every year for one outstanding paper with an official certificate and a cheque of £250. IMechE is an independent engineering society based in London, representing mechanical engineers. It represents over 100,000 members in 139 countries in industries including rail, automotive, aerospace, manufacturing, energy, medicine and construction.

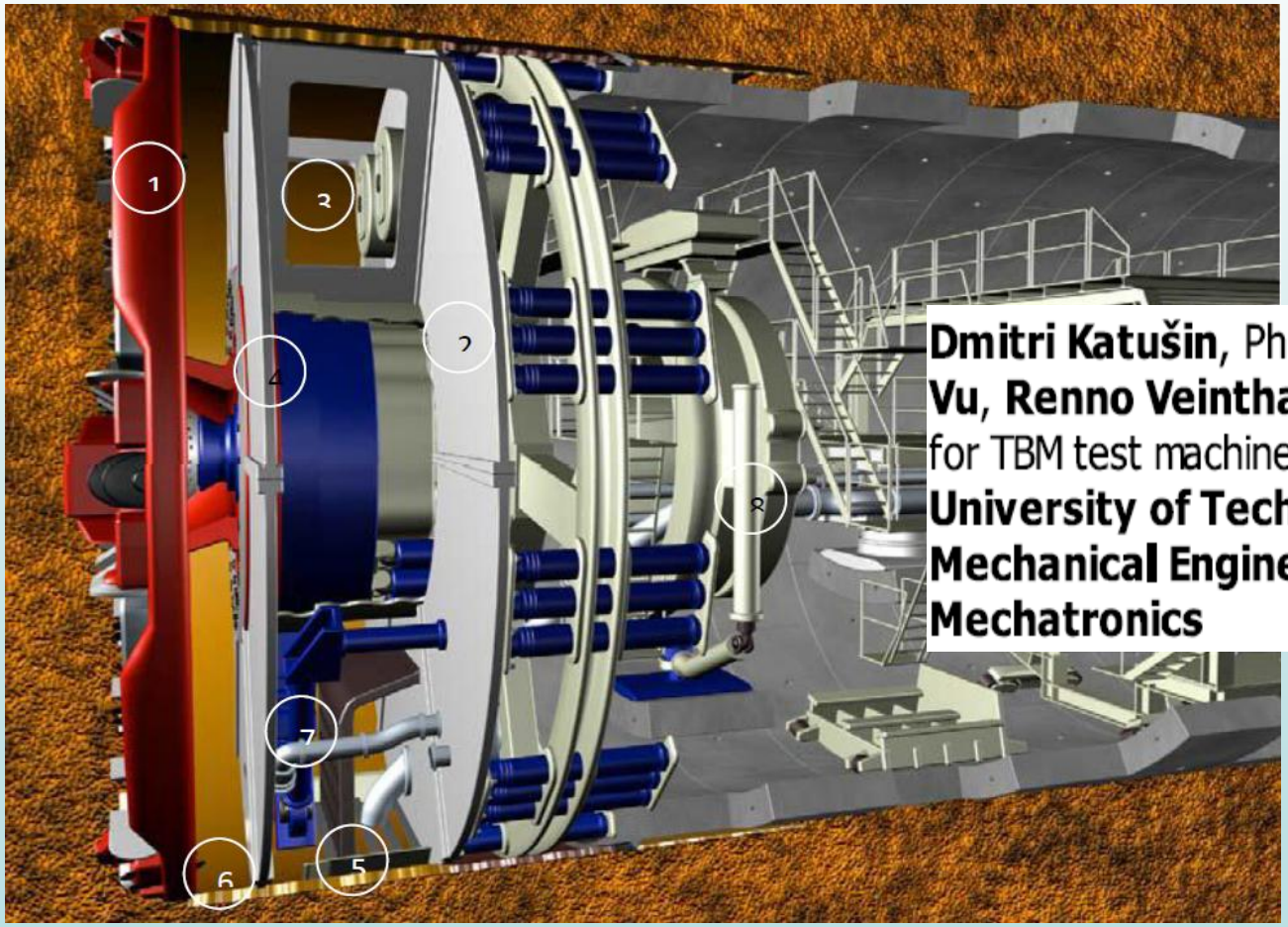
Donald Julius Groen Prize

Mechanical and Mechatronics Engineering

Current Project 1: European Project NeTTUN 2012-2018

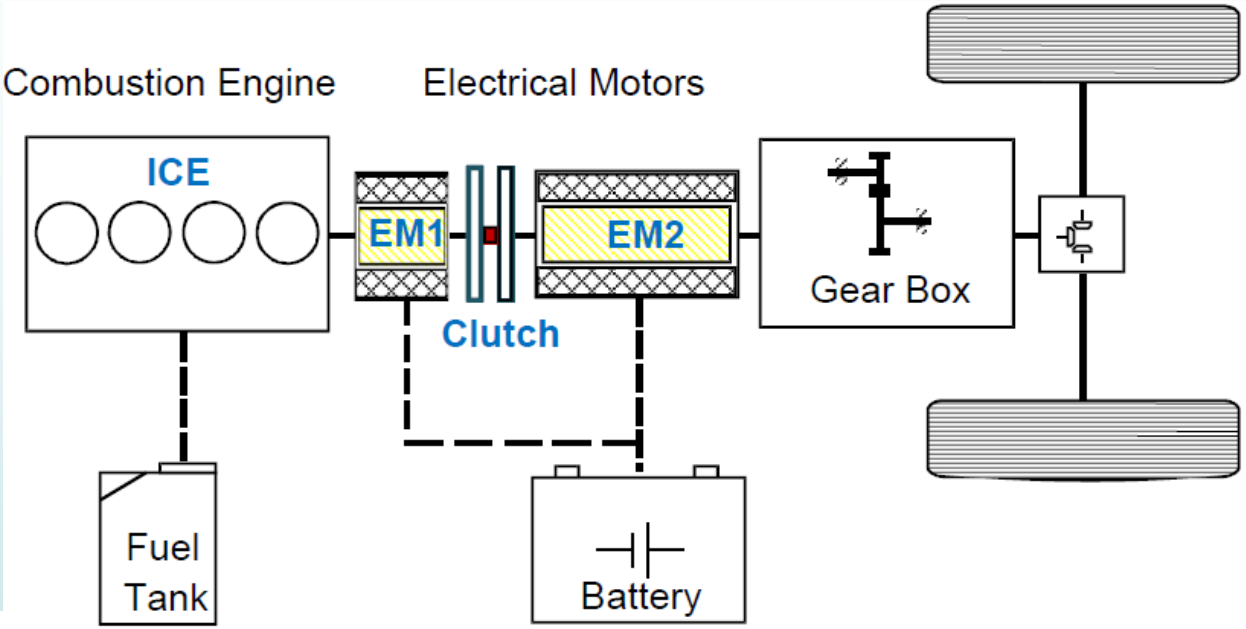
Robotics for TBM Tunnel Boring Machine

https://www.etis.ee/portaal/isikuCV.aspx?PersonVID=70559&lang=&lang=en



Dmitri Katušin, PhD Student, (sup) **Trieu Minh Vu**, **Renno Veinthal**, Systems technique methods for TBM test machine development, **Tallinn University of Technology , Faculty of Mechanical Engineering, Department of Mechatronics**

Current Project 2: Automated Clutch Controller for Parallel Hybrid Vehicle



Original Article

Institution of MECHANICAL ENGINEERS

Journal of SYSTEMS AND CONTROL ENGINEERING

Clutch control and vibration reduction for a hybrid electric vehicle

Proc IMechE Part I:
J Systems and Control Engineering
0(0) 1–8

DOI: 10.1177/0959651812445842
pii.sagepub.com
SAGE

Vu Trieu Minh

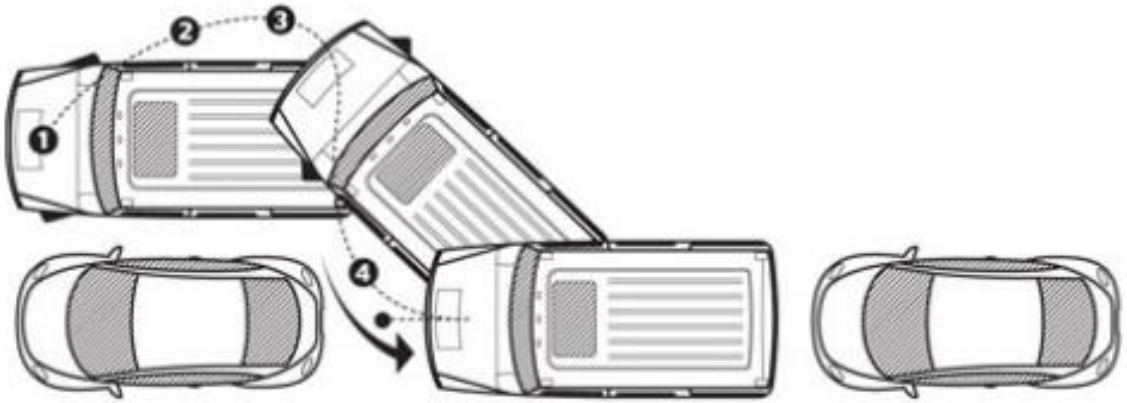
Current Project 3: European FP7-ICT-2012 (Future Program – Information and Communication Technologies)

http://cordis.europa.eu/programme/acronym/FP7-ICT_en.html

Integration of autonomous and non-autonomous vehicles in the future traffic

(IAVFT)

Hindawi Publishing Corporation
Mathematical Problems in Engineering
Volume 2014, Article ID 317494, 12 page
http://dx.doi.org/10.1155/2014/317494



Hindawi

Research Article

Feasible Path Planning for Autonomous Vehicles

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Current Project 4: European IUT33-35 Project 2015-2020 (Smart Sensing for Mechatronics and Production Systems)

3/19/2014 Print

Euroopa Liit
Euroopa Sotsiaalfond

Eesti tuleviku heaks

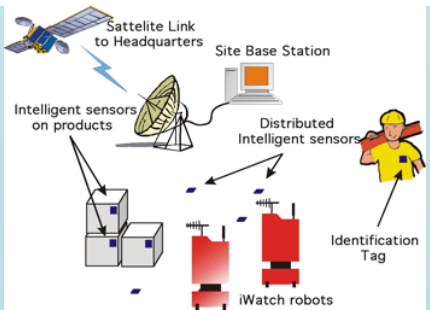
IUT taotlusvormi arendamiseks on kasutatud Euroopa Sotsiaalfondi vahendeid

IUT määrus
IUT eelarve koostamise juhend 2014-01-23
IUT uurimistoetuse taotluste menetlemise kirjeldus 2014-01-23
IUT hindamisjuhend 2014-01-23

IUT 2015 Application IUT33-25

Institutional research funding

Application type	Application for funding of a research topic
R&D institution	Tallinn University of Technology
Relevant structural unit	Tallinn University of Technology , Faculty of Mechanical Engineering, Departmen
Research topic in Estonian	Arukas mehhatroonika ja tootmissüsteemide sensoorika
Research topic in English	Smart sensing for mechatronics and production systems



Annual budget

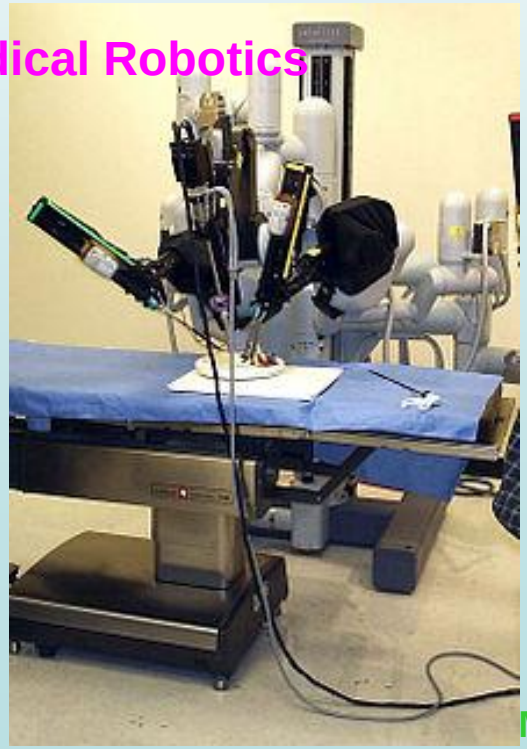
Personnel related expenses	130 000,00 EUR (2 034 058 EEK)
Travel related expenses.	5 000,00 EUR (78 233 EEK)
Expenses related to acquisition of fixed assets.	10 000,00 EUR (156 466 EEK)
Expenses related to publication, research popularisation and protecting the IPR	500,00 EUR (7 823 EEK)
Subcontracting and other services to be purchased.	0,00 EUR (0 EEK)
Other direct expenses relevant for the implementation of the research topic.	2 000,00 EUR (31 293 EEK)
Proposed budget	147 500,00 EUR (2 307 874 EEK)
General expense	41 300,00 EUR (646 205 EEK)
[illegible]	188 800,00 EUR (2 954 078 EEK)

Current Project 5: Project IUT 19-35 for 2014-2017 (Human-Robot Interface for Teleoperations)

Project title	**Human–robot interface for teleoperations**
Head of the research group	Vu Trieu Minh
Project start	01.07.2014
Project end	01.07.2017

Eesti Teadusagentuur
Estonian Research Council

Medical Robotics



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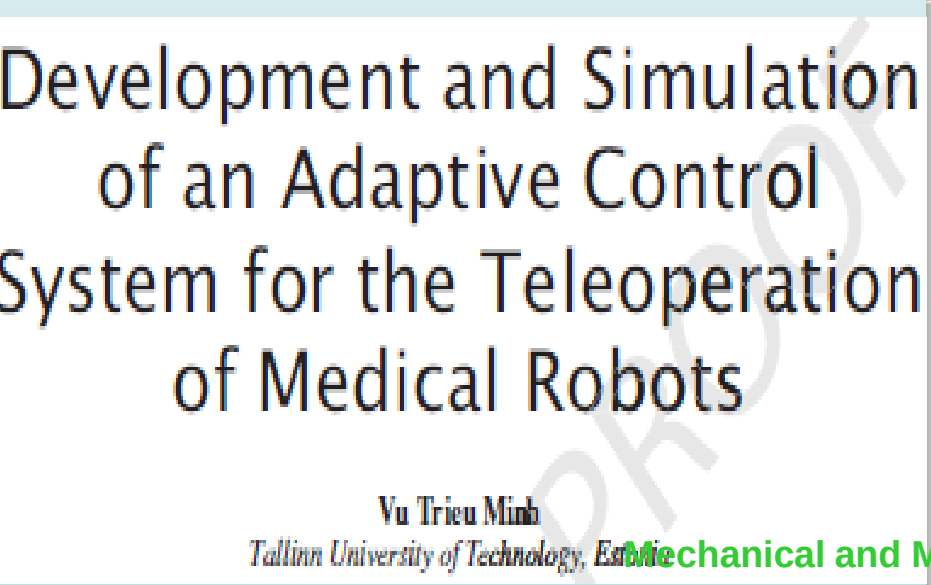
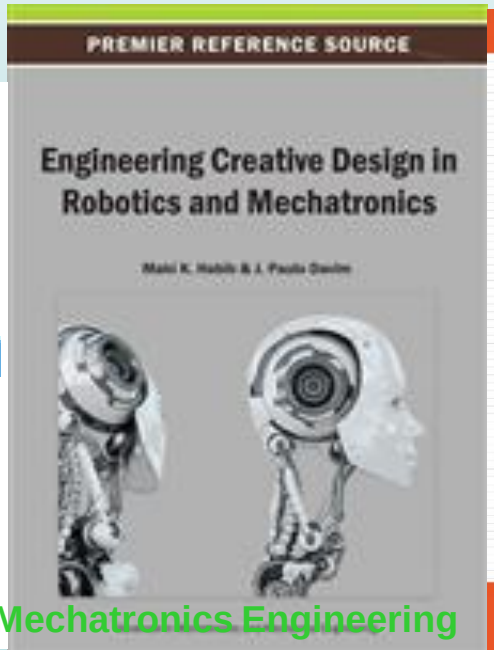
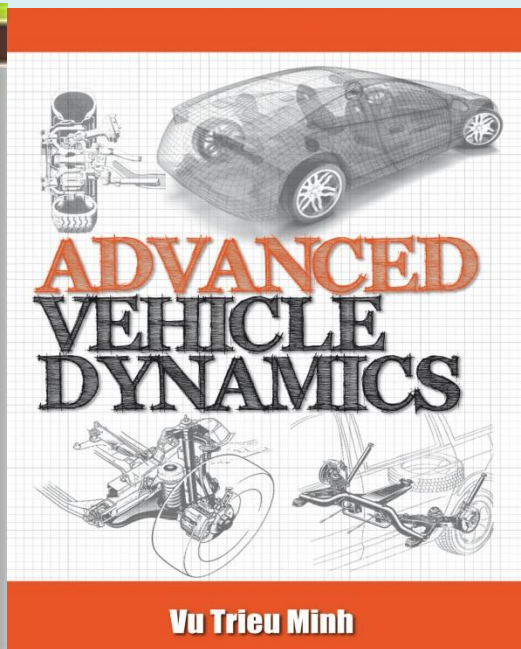
How can my research interests strengthen the OMICS Global Journal of Technology and Optimization?

- OMICS Global Journal of Technology and Optimization has strong and high prestige
- Experiences in industries for almost 18 years
- Expereiences in publications, research projects
- Interantional relationships







Mechanical and Mechatronics Engineering

What are my capabilities, interests, short-term and long-term goals for OMICS?

- Sottwares: Matlab, PLC, C, IAR and Keil for Microcontroller, MEMS, Automations and Robotics
- Advanced Control Techniques, MPC, Adaptive, Robust, Deterministic, Schochatic, IA, Fuzzy, Neuro network, Wireless communication systems
- Operation of almost types of CNC machines and welding.
- Supervision of Master and PhD students, publications, research projects on smart systems
- Interantional experiences in Vietnam, Thailand, Malaysia, Germany, Finland, and Estonia.

- Longterm committment with OMICS Global Journal of Technology and Optimization
- Better working conditions
- Better educational environment
- Better future