

THOMAS BEAUDUIN

CURRICULUM VITAE

Belgian, male
3 july 1991, Leuven
Driving Licence

☎ +32476014340, +818095784579
@ thomasbeauduin@gmail.com
✉ Lenniksesteenweg 444, 1500 Halle



CURRENT POSITION

2014 - 2016	Adjunct Researcher, Hori-Fujimoto Lab	University of Tokyo
<i>Eng./Jap.</i>	Post-graduate research position in the department of Electrical Engineering	Japan
<i>Projects:</i>	non-linear friction compensation of machine tool axis (Dmg Mori-Seiki) vibration suppression for in-wheel-motor electric vehicles (Toyota Motors) gain-scheduled multirate control for semi-conductor (Nikon Corporation)	
<i>Funding:</i>	industry funded experimental setups & research fellowship (100k¥/month)	

EDUCATION

2013 - 2014	2 ^e Master of science in Mechanical Engineering	KULeuven University
<i>English</i>	Graduate program with major in Mechatronics & Robotics	Belgium
<i>Courses:</i>	advanced control theory and precision engineering	
<i>Thesis:</i>	dynamic optimization of a voice-coil scanner for SLM-machine optics	
<i>Objective:</i>	embedded design, system identification and 2-dof motion control	
<i>Results:</i>	hardware & controller built into new generation of commercial scanners	
2012 - 2013	1 ^e Master of science in Mechanical Engineering	TUMunich University
<i>German</i>	Exchange program with major in Mechatronics & Robotics	Germany
<i>Funding:</i>	European Erasmus exchange scholarship (€400/month)	
<i>Courses:</i>	Automotive mechatronics and production automation	
<i>Project:</i>	Trajectory planning and motion control of assembly robots	
2009 - 2012	Bachelor of science in Engineering	KULeuven University
<i>Dutch</i>	Undergraduate program with major in Electro-Mechanics	Belgium
<i>Courses:</i>	Fundamentals of mechanical and electrical engineering	
<i>Project:</i>	Torque limiter design for gearboxes of heavy-duty machinery	
2003 - 2009	General High School	Sint-Jan Berchmans College
<i>Dutch</i>	Jesuit education with major in Ancient Greek & Mathematics	Brussels, Belgium

WORK EXPERIENCE

2014 - 2015	Manufacturing Engineer	Van de Wiele nv.
<i>part-time</i>	Technical support for the automation of a production line	Japan
<i>Objective:</i>	support of Belgium company designing new line with Japanese company	
<i>Project:</i>	design of new mass-production line for winding of complex-shaped solenoids	
AUG. 2012	Technical Internship	Aros Electronics AB
4 weeks	Development of statistical testing software for servomotor drives	Sweden
2007 - 2009	Summer Jobs	Weaving Companies
4 weeks	Carpet weaving machine build-up and fine tuning	Merinos, Russia
	Velvet weaving machine operator and bobbin placer	Etrotex, Belgium
	Carpet weaving machine operator and bobbin placer	Balta, Belgium

LANGUAGE SKILLS

DUTCH:	Mother-tongue	Family members, friends, school and university language
FRENCH:	Father-tongue	Family members, friends, extra-curricular activities
ENGLISH:	Academic proficiency	examinations, project presentation, reports and publications
GERMAN:	Academic proficiency	written and oral examinations, project presentation and reports
JAPANESE:	Basic proficiency	small technical conversation, good traveling survival skills

SOFTWARE SKILLS

<i>Mechanical Software:</i>	CATIA, SolidEdge	<i>Electrical Software:</i>	Labview RT & FPGA
<i>Engineering Software:</i>	Matlab/Simulink, Maple	<i>Coding Languages:</i>	Phyton, Embedded-C
<i>General text-editing:</i>	MS Office, Latex	<i>Coding Projects:</i>	www.github.com/thomasbeauduin

EXTRA-CURRICULAR

2004 - 2014	Union Rugby Player	Competition Sport
<i>Biweekly</i>	<i>4 years</i> KULeuven Rugby Team, 1-D University league, (captain 2y.) <i>1 year</i> StuSta Rugby Munich, 2-D German national league (starting team 1y.) <i>5 years</i> Boitsfort Rugby Club, 1-D Belgium national league (starting team 3y.)	
2011 - 2012	Vlaamse Technische Kring	University Volunteering
<i>weekly</i>	<i>VTK Skireis</i> Organiser of engineer students skivacation (300pers.) <i>VTK Onderwijs</i> Representative of engineering students at faculty and department council	
2009 - 2012	Boy Scouts Leader	Social Volunteering
<i>weekly</i>	<i>Animator</i> Outside activities for children from deprived backgrounds (8 to 12 y.) <i>Main Leader</i> Activity organizer for 40 children, Unite Saint-Clement (LC-29)	
2009 - 2012	Business Engineering	Academic Interest
<i>weekly</i>	Additional under-graduate courses in the field of Economics and Business Law Taken during engineering studies at the faculty of Economics, KULeuven (30ECTS)	