

Moustafa Abouelkheir, BSc, MSc, F. Eng.

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## Education

- Awarded **Master of Science (MSc) Degree in Mechatronics Engineering** from **Tallinn University of Technology**:
  - Faculty of Mechanical Engineering of **Tallinn University of Technology** in **Tallinn, Estonia**, Started on **(September 2014: June 2015) & (February 2016: June 2016)**.
  - Faculty of Mechanical Engineering of **RWTH Aachen University** in **Aachen, Germany**, as part of Erasmus Mundus exchange program **(September 2015: February 2016)**.
  - **Master thesis topic**: Study on Modeling and Control of Dual Clutch Transmission for Hybrid Vehicles.
- Awarded **Bachelor of Science (BSc) in Mechatronics Engineering** from **Ain Shams University** **(September 2007: July 2012)** – Accumulative Grade (Fairly good grade).
- **Graduation project**: Data Acquisition and analysis of oil and gas pipeline networks (Awarded Grade: **Very Good**)
- Awarded **Engineer-in-Training (F.E.) License** in April 2013.

## Publications, Scientific Papers and Conferences

1. Re-create Human Hand Orientation Movement on Articulated Manipulator, International DAAAM Baltic Conference (2015). **Authors: Moustafa Abouelkheir, Lei Shi, Modith Hadya, Kunnar Loi.**
2. Modeling and simulation of Dual Clutch Transmission and Hybrid Electric Vehicles, International DAAAM Baltic Conference (2016). **Authors: Moustafa Abouelkheir, Vu Trieu Minh.**
3. Modeling and Control of Dual Clutch Transmission for Hybrid Vehicles, Part D: Journal of Automobile Engineering, SAGE Publications Inc. (2017). **Authors: Moustafa Abouelkheir, Vu Trieu Minh.**
4. Design and simulations of dual clutch transmission for hybrid electric vehicles, International Journal of Electric and Hybrid Vehicles (Inderscience Publisher) (2018), **Authors: Moustafa Abouelkheir, Vu Trieu Minh, Mart Tamre**

## Working and Research Experience

1. **Model and Service Analyst/Developer/Provider** at **Genius Sports** (August 2016: Present)
2. **Partner and Head of R&D Department** at **Abouelkheir&Co. imp.-exp.** (August 2013: Present)
3. **Researcher** at **Tallinn University of Technology** (February 2016: June 2016)

4. **Laboratory Engineer & Supervisor** at **Tallinn University of Technology** (November 2014: March 2015)
5. **Junior Maintenance Engineer** at **Maintenance Department at Abouelkheir&Co. imp.-exp.**
6. **Junior Research Assistant** at Acoustics and Dynamics Measurements at **ASU GARDS** (Ain Shams University Group of Advanced Researchers in Dynamic Systems) (**August 2011: July 2012**).
7. **Internship** at **Altec Italia srl.** in 3D foam cutting machines and CNC Routers in Biella, Italy (June: August 2015)
8. Marinemine Fireplace at **Tallinn University of Technology** in Tallinn, Estonia (**February: May 2015**)
9. Business Plan of Phoodo "Food and health application" at **Tallinn University of Technology** in Tallinn, Estonia (**February: May 2015**)

#### Language:

- **Arabic** (Native proficiency)
- **English** (Professional working proficiency)
- **Deutsche** (Professional working proficiency).
- **French** (Professional working proficiency).
- **TOEFL** (Test of English as a Foreign Language); score: **103**.
- **GRE** (Graduation Record Examination) Degree of **300** of **340**.

#### Translation (Freelance Master Service Agreements):

- MSA (Master Service Agreement) with The Language Doctors, Inc. (TLD) (DE > EN).
- MSA (Master Service Agreement) with WorldAccess Translations, (DE > EN).
- MSA (Master Service Agreement) with D&T Translations, (EN < > AR).
- MSA (Master Service Agreement) with Chengdu ZXZY Business Consulting Co., Ltd., (EN < > AR), (DE < > EN), (FR < > EN).
- MSA (Master Service Agreement) with CCJK Technologies Co., Ltd., (EN < > AR).
- MSA (Master Service Agreement) with Speakt: Professional Translation Services. (EN < > AR).
- Translation of Reality-taule, « au-delà des barreaux »; a French book based on the true story of prisoners, who secretly filmed their incarceration in one of the largest prisons in Europe: Fleury-Mérogis, to English
- MSA (Master Service Agreement) with Valuepoint Knowledgeworks Pvt. Ltd., (FR-EN).
- Certificate of WORK acceptance-conveyance with SIA LINEARIS, (EN-DE), (DE-EN), and (EN-AR) language pairs.
- Translation and proofreading of "(Kitab al-Masa'il wa-l-ajwiba)" by A'mmar al-Basri; an early Arabic Christian text written by 'Ammar al-Basri, in the eighth or ninth century CE, to English.
- MSA (Master Service Agreement) with BigTranslation., (EN < > AR).
- MSA (Master Service Agreement) with OneDocument, S.L., (EN < > AR).
- MSA (Master Service Agreement) with MEJ Personal Business Services Inc., (AR < > EN) – (FR > EN).
- MSA (Master Service Agreement) with ProTranslating, Inc., (AR < > EN)
- MSA (Master Service Agreement) with Link Translations, Inc., (Link) (AR < > EN).
- MSA (Master Service Agreement) with Accent Multilingual, (DE > AR).
- MSA (Master Service Agreement) with EHLION Ltd., (AR < > EN).
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## Trainings and courses

1. Microcontroller (PIC & Arduino)
2. Robotics course and case study by IT academy (August 2012)
3. PLC (Siemens S7-300 & S7-400) Programming course and case study by Jeilecom academy (September 2009)
4. MATLAB Programming course by Jeilecom academy (August 2012)
5. Mechanical Engineer Trainee at Abouelkheir&Co. imp.-exp., Cairo, Egypt (August: September 2011)
6. Hydraulic Systems Industrial Applications course by Jeilecom Academy (September 2012)
7. Control of Mobile Robots course by Georgia Institute of Technology (January: March 2014)
8. Programming for Everybody (Python) course by University of Michigan (June: August 2015).
9. SolidWorks 2016 Essential Training (July 2016).

## Skills, Abilities & Events

1. Business management skills.
2. Participation in conferences, such as **Fourth INTERNATIONAL YOUNG BUSINESSMEN CONGRESS (IYBC)** in Istanbul, Turkey (December 2013), and **International DAAAM Baltic Conference** in Tallinn, Estonia (April 2016) and others.
3. Ability to work under high pressure.
4. Ability to work both individually and within a team.
5. Effective communication skills.
6. Multi-tasking skills.

## References

Company	Language pair	Email	Telephone
World Access Translations	French to English	pm@watrans.com	1-702-940-8082
The Language Doctors, Inc. (TLD)	German to English	mail@tldinc.org	1-800-414-6140
D&T Translations	English to Arabic Arabic to English	Info@dttranslations.com	1-973-358-7570