Souhir BOUDHRIOUA

Civil Engineer

MSc student in Transportation Engineering

Professional Experience

Thesis project   **Feb 2019 -Now**

    RelativeGap & BME, Budapest, Hungary

    Study of bus priority implementation
- Traffic measurement
- Traffic data analysis with SPSS
- Macro modeling of bus priority

Summer internship   **July-August 2018**

    SIEMENS Mobility, Zoetermeer, the Netherlands (SNLM)

    Schemes of implementation of absolute priority in a predictive traffic actuation
- Study of emergency vehicles in the Netherlands
- Analysis of the traffic environment in the Netherlands
- Creation of a scheme to implement absolute priority
- Improvement of the predictive traffic actuation program DIRECTOR of (SNLM)

Final study internship   **Feb – June 2017**

    ANME: National Agency of Energy Conservation, Tunis, Tunisia

    Integration tools of wind energy in Tunisia
- Study of the wind speed with Windographer
- Analyze the electric consumption's consumption
- Conception of a reinforced concrete wind tower with Autodesk Robot

Second year internship   **June – July 2016**

    EPR: Office of conception, management and realization, Tunis, Tunisia

    Conception and maintenance study of road's project
- Study of the road pathologies; causes and solutions
- Analysis and optimization of the road reinforcement with GeoMensura, AutoCAD and Alizé

First year internship   **July 2015**

    El WIFEK (EKK), Hammamet, Tunisia

    On field supervision of residential group's construction "The Sultan"
- Initialization for professional life
- Supervision of the construction's parts

Projects

- **Macro transport modeling's project:** Modeling of the traffic flow of a district of Budapest with PTV Visum
- **Economics' project:** Study of the environmental cost savings of a road project
- **Informatics' project:** Management of a real estate rental project with C
- **Transport informatics' project:** Study of the registration of railway accidents with Microsoft Access
- **Micro Transport Modeling's project:** Traffic flow (private and public transport) counting and modeling of an intersection and traffic lights optimization with PTV Vissim
- **Project of ITS:** Analysis of tram line with QGIS
- **Road's project**: Geometric conception of a road project, sizing of the pavement structures and dimensioning the hydraulic culvert with HEC-RAS, HY8, AutoCAD and Alizé

Education

MSc Transportation Engineering   **Sep 2017 - Now**

    Budapest University of Technology and Economics, Hungary (BME)

Civil Engineering (EUR-ACE degree)   **2014 – 2017**

    National Engineering School of Tunis, Tunisia (ENIT)

Preparatory school; Mathematics-Physics (MP)   **2012 – 2014**

    Faculty of Sciences of Monastir, Tunisia

Papers

Boudhrioua, S., Shatanawi, M. (2019). Implementation of Absolute Priority in a Predictive Traffic Actuation Schemes. *Periodica Polytechnica Transportation Engineering*.

Shatanawi, M., Boudhrioua, S., Mészáros, F. (2019). Comparing Road User Charging Acceptability in the City of Tunis and Damascus. *MATEC Web of Conferences*.

Personal info

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Skills

Languages
- English (Advanced)
- French (Certificate Delf B2)
- German (Basic)
- Arabic (Native)

Software
- PTV Visum
- PTV Vissim
- C sharp
- QGIS
- SPSS
- AutoCAD
- Matlab
- Robot Autodesk
- Piste
- GeoMensura
- Alizé
- Octave
- Microsoft Office: Excel, Power Point, Access…

Extracurricular activities
- 2014: Active member IEEE ENIT SB
- 2015, 2016: Member of organization of forum ENIT
- 2014, 2015: Active member of Civil Engineering club
- 2014: Injaz certificate of participation in the National Competition of Innovation; Project: "Green Bike"
- 2015/2016: Woman chair of WIE, IEEE ENIT SB
- 2016: Certificate of attendance in "Career employment and HRM practices workshop by Ox GAPS
- 2018: Certificate of participation and certificate of Honorable Mention in BME Model United Nations