

### **Accurate prediction of international trade flows : leveraging knowledge graphs and their embeddings**

Rincon-Yanez, Diego; **Ounoughi, Chahinez; Sellami, Bassem; Kalvet, Tarmo; Tiits, Marek; Senatore, Sabrina; Ben Yahia, Sadok** Journal of King Saud University - computer and information sciences 2023 / art. 101789, 11 p  
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### **At the crossroads of product complexity, market demand, and machine learning**

**Kalvet, Tarmo; Tiits, Marek; Ounoughi, Chahinez; Ben Sassi, Imen; Ben Yahia, Sadok** Management & marketing 2024

### **Data fusion for ITS : a systematic literature review**

**Ounoughi, Chahinez; Ben Yahia, Sadok** Information Fusion 2023 / p. 267-291 <https://doi.org/10.1016/j.inffus.2022.08.016> [Journal metrics at Scopus](#) [Article at scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Doktoritöö pakkus välja nutilahenduse lärmakate ummikute vastu**

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### **EcoLight : Eco-friendly traffic signal control driven by urban noise prediction**

**Ounoughi, Chahinez; Touibi, Ghofrane; Ben Yahia, Sadok** Database and Expert Systems Applications : 33rd International Conference, DEXA 2022, Vienna, Austria, August 22-24, 2022 : proceedings, Part I 2022 / p. 205–219 [https://doi.org/10.1007/978-3-031-12423-5\\_16](https://doi.org/10.1007/978-3-031-12423-5_16) [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

### **EcoLight+ : a novel multi-modal data fusion for enhanced eco-friendly traffic signal control driven by urban traffic noise prediction**

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### **Expect : eXplainable prediction model for energy consumption**

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### **Harnessing graph neural networks to predict international trade flows**

**Sellami, Bassem; Ounoughi, Chahinez; Kalvet, Tarmo; Tiits, Marek; Rincon-Yanez, Diego** Big Data and Cognitive Computing 2024 / art. 65 <https://doi.org/10.3390/bdcc8060065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Pattern based software architecture for predictive maintenance**

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### **Relatedness and Product Complexity Meet Gravity Models of International Trade**

**Tiits, Marek; Kalvet, Tarmo; Ounoughi, Chahinez; Ben Yahia, Sadok** Journal of open innovation: technology, market, and complexity 2024 / art. 100288 <https://doi.org/10.1016/j.joitmc.2024.100288>

### **A scalable knowledge graph embedding model for next point-of-interest recommendation in Tallinn city**

**Ounoughi, Chahinez; Mouakher, Amira; Sherzad, Muhammad Ibraheem; Ben Yahia, Sadok** Research Challenges in Information Science : 15th International Conference, RCIS 2021, Limassol, Cyprus, May 11–14, 2021 : proceedings 2021 / p. 435–451 [https://doi.org/10.1007/978-3-030-75018-3\\_29](https://doi.org/10.1007/978-3-030-75018-3_29) [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Sequence to sequence hybrid Bi-LSTM model for traffic speed prediction**

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### **ZED-TTE: Zone embedding and deep neural network based travel time estimation approach**

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### **Urban traffic : data fusion and vehicle flow prediction in smart cities = Linnaliiklus : andmete ühtesulamine ja sõidukite voo prognoosimine nutikates linnades**

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### **Умное управление светофорами может снизить шум и уменьшить пробки**

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