



ARTIFICIAL INTELLIGENCE
KNOWLEDGE EXCHANGE PLATFORM



Fin – Tech HO2020 project

Date: 28th November 2019

Co.Station. Rue du Marquis 1, Brussels.

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|----------------------|---|
| 08.00 – 09.00 | Late Registration, Welcome & Networking
 For those for those that required for last minute registrations. |
| 09.00 – 09.30 | Overview of the FIN-TECH project goals and activities.
 Beltran Fiz, PostDoc Researcher at Uni.lu |
| 09.30 – 10.00 | Introduction of the FSMA, NBB and DNB participants.
 FSMA, NBB and NBB |
| 10.00 – 12.00 | An Introduction to AI: Masterclass on Artificial Intelligence Essentials
 Ekaterina Khramtsova, PhD Student at University of Luxembourg |
| 12.00 – 12.30 | Round table discussions
 All participants |
| 12.30 – 13.30 | Lunch Break |
| 13.30 – 14.30 | AI advancements: An Introduction to Federated Learning
 Ekaterina Khramtsova, PhD Student at University of Luxembourg |
| 14.30 – 15.00 | Use Case I: “Are cryptocurrencies connected to forex? A quantile cross-spectral approach”
 Ekaterina Khramtsova, PhD Student at University of Luxembourg |
| 15.00 – 15.30 | Use Case II: Network models to improve robot advisory portfolio management
 Ekaterina Khramtsova, PhD Student at University of Luxembourg |
| 15.30 – 15.45 | Coffee Break & Networking |

15.45 – 17:45

Coding Workshop

| Beltran Fiz, PostDoc Researcher at Uni.lu

17.45 – 18.00

Wrap-up, Feedback and closings.

| All participants

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no. 825215 (topic ICT-35-2018, Type of action: CSA). The content reflects only the author's view and the Commission is not responsible for any use that may be made of the information it contains.



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Proposed Date: 26th March 2020

National Bank of Belgium, Brussels, Belgium

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|----------------------|---|
| 08.30 – 09.00 | Welcome & registration of the participants
 Only required for last minute registrations. |
| 09.00 – 09.30 | Overview of the FIN-TECH project; Introduction of the Project's goal, activities and network
 Beltran Fiz and Radu State, Senior Researcher at Uni.lu |
| 09.30 – 10.30 | Use case I: Convergence and Divergence in European Bond Correlations
 Beltran Fiz, Postdoctoral researcher at University of Luxembourg |
| 10.30 – 11.00 | Coffee Break & Discussion. |
| 11.00 – 12.30 | Use case II: Network models to improve robot advisory portfolio management
 Ekaterina Khramtsova, PhD Student at University of Luxembourg |
| 12.30 – 13.00 | Wrap-Up Session – Q&A |
| 13.00 – 14.00 | Lunch |
| 14.00 – 15.00 | Use case III: Artificial Intelligence for Robo Advisory to compute optimal asset allocations
 Beltran Fiz, Postdoctoral researcher at University of Luxembourg |
| 15.00 – 15.30 | Coffee Break & Discussion. |
| 15.30 – 16.30 | Use case IV: Explainable AI in financial risk management
 Ekaterina Khramtsova, PhD Student at University of Luxembourg |

Notes:

- the program is subject to changes
- if participants have preferences for a specific data set to be used in the workshop, they are invited to inform Dr Beltran Fiz at the latest one week prior to the workshop

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