

The 4th TMI International Seminar

Nagoya University & Université Libre de Bruxelles Joint Event

AI × VR

Brussels: December 1st, 2022 (Thursday) 8:30 am - 12:30 pm (CET)
Nagoya: December 1st, 2022 (Thursday) 4:30 pm - 8:30 pm (JST)

It is not exaggerating to say that artificial intelligence (AI) and virtual reality (VR) are the two most fascinating technologies in the world today. Applying AI to VR can indeed lead to intelligent real-world virtual environments. This joint seminar will introduce some of the ongoing AI and VR related research and education efforts at NU and ULB. There will be a chance for the speakers to discuss future collaboration.



Participation Method

All participants are requested to register (free of charge).

<https://x.gd/IPh7J>



QR code for registration

Venue

Online (using zoom)

Date/Time

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 Nagoya: December 1, 2022 (Thursday) 4:30 pm - 8:30 pm (JST)

Contact

Nagoya University
 TMI International Relation Committee
 Ichiro Ide, Reiko Furuya
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Université Libre de Bruxelles
 Mehrdad Teratani
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Program

Presentation: 20-30 minutes
Q&A: 5 minutes
Total time per presentation: 25 - 35 minutes

1. Introduction to the Joint Seminar by the organizing members
Ichiro Ide (Nagoya University), **Mehrdad Teratani** (Université Libre de Bruxelles), **Reiko Furuya** (Nagoya University)
8:30 - 8:35 (CET) / 16:30 - 16:35 (JST)

2. Introduction to TMI (Transdisciplinary Mobility Innovation) Program: Graduate Program for Lifestyle Revolution Based on Transdisciplinary Mobility Innovation
Nobuo Kawaguchi (Nagoya University / Director of TMI)
8:35 - 8:55 (CET) / 16:35 - 16:55 (JST)

3. How Much Data is Enough for Machine Learning?
Olivier Debeir (Université Libre de Bruxelles)
8:55 - 9:30 (CET) / 16:55 - 17:30 (JST)

4. Learning Interaction Rules from Small Amount of Multi-Agent Trajectories
Keisuke Fujii (Nagoya University)
9:30 - 10:05 (CET) / 17:30 - 18:05 (JST)

----- 10 minute break -----

5. Fairness in Algorithmic Decisions
Dimitris Sacharidis (Université Libre de Bruxelles)
10:15 - 10:50 (CET) / 18:15 - 18:50 (JST)

6. Learning-Based Approach to Compressive Light-Field Acquisition
Keita Takahashi (Nagoya University)
10:50 - 11:15 (CET) / 18:50 - 19:15 (JST)

7. Beyond MPEG Immersive Video
Gauthier Lafruit (Université Libre de Bruxelles)
11:15 - 11:50 (CET) / 19:15 - 19:50 (JST)

8. Final remarks by the organizing members
Ichiro Ide (Nagoya University), **Mehrdad Teratani** (Université Libre de Bruxelles), **Reiko Furuya** (Nagoya University)
11:50 - 12:00 (CET) / 19:50 - 20:00 (JST)

----- End of the seminar -----

9. Meeting among the speakers to discuss future collaboration between the two universities
12:00 - 12:30 (CET) / 20:00 - 20:30 (JST)