

Experiences and best practices from EMJMD

EMJM Kick-off, 21 November 2024

Erasmus Mundus Master of Science in Imaging and Light in Extended Reality



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Erasmus Mundus Master of Science in Imaging and Light in Extended Reality

- Consortium

Full partners

- 🏛 University of Eastern Finland
- 🏛 Toyohashi University of Technology (Japan)
- 🏛 KU Leuven (Belgium)
- 🏛 University Jean Monnet (France)

Selected as one of three Erasmus Mundus Japan (EMJMD – IUEP) programmes in 2019

Re-selected in EMJM call 2024

Academic focus

- ✓ combining extended reality (XR) with computational imaging and vision, and lighting
- ✓ theoretical understanding of XR
- ✓ strong practical skills in XR applications

Academic Associate partners

- 🏛 Chiba University (Japan)
- 🏛 Utsunomiya University (Japan)
- 🏛 University of Ottawa (Canada, **NEW**)

New Industrial Associate partners

- 🏛 YLE Innovations (Finland)
- 🏛 National Institute of Advanced Industrial Science and Technology (AIST) Human Augmentation Research Center (Japan)
- 🏛 Sony Computer Science Laboratories (Japan + European countries)
- 🏛 Varjo (Finland)
- 🏛 SeeTrue Technologies (Finland)
- 🏛 OptoFidelity (Finland)
- 🏛 Speedernet (France)
- 🏛 Hexadrone (France)
- 🏛 IHMTEK, (France)
- 🏛 Volvo Group/Renault Trucks SAS, (France)

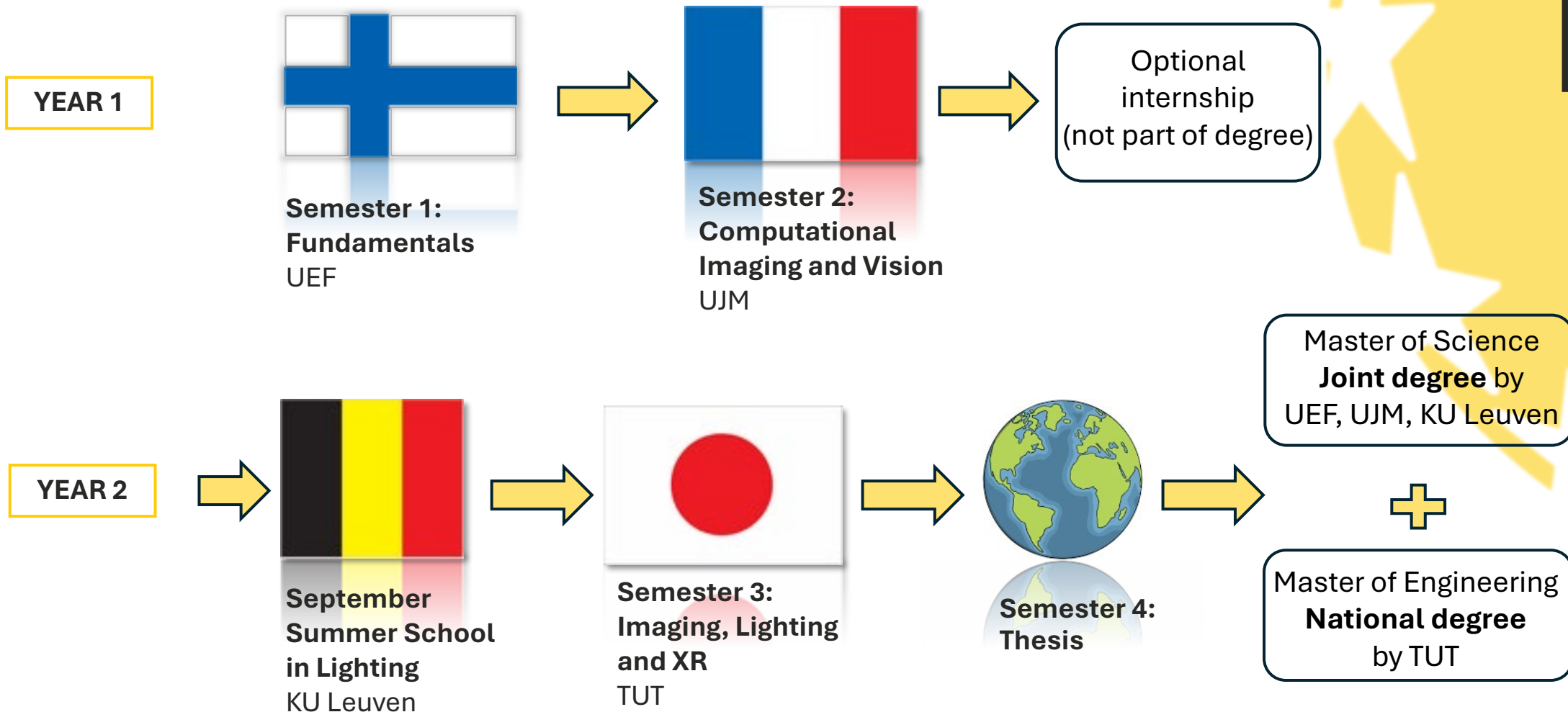
Continuing:

- 🏛 Dispelix (Finland)
- 🏛 Etap Lighting (Belgium)



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NEW from 2025 onwards: one uniform mobility for all students:
Optimized based on student feedback and enabling joint degree



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Success points

- ✿ Creating a joint programme and combining the academic calendars and credit transfer between **Japanese** and **European** partners, with the support of EU and MEXT funding in 2019 – 2024

Based on

- double degree in IT/technology between UEF and TUT, starting in 2018
 - previous Erasmus Mundus collaboration (CIMET, COSI) between partners
 - long-term research and education collaboration
- ✿ Next step: **joint degree** between European partners
 - ✿ **Japanese language** and cultural studies during semesters 1 – 3: compulsory for all non-Japanese students
 - ✿ 48 graduates from the first three student cohorts
 - ✓ very good employment rate, in first two cohorts 6 non-Japanese students settled in Japan and 8 non-European students settled in Europe after graduation

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Success points

- ☞ Dividing tasks for all full partners
 - ☞ *University of Eastern Finland*: Main coordination, EACEA communications, EMJM scholarship management
 - ☞ *Toyohashi University of Technology*: Thesis topic collection and allocation, graduation process and graduation ceremony
 - ☞ *KU Leuven*: Quality Assurance coordination
 - ☞ *University Jean Monnet*: Industrial Board coordination
- This leads to balance between full partners, and emphasizes the expertise each partner brings to the consortium

Thank you!

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