Morten Brekke
Department of Engineering
Teacher in Mathematics and Physics
Coordinator of MatRIC’s
- Video network
- Digital assessment network

This network aims to connect university level mathematics teachers who are working on the production of video resources for teaching and learning mathematics [for streaming, tutorial support, flipped classroom approaches, blended learning and MOOCs].
History – Activity 2014

Video Network

- **MatRIC Launch conference** Gardermoen 12th March 2014. First presentation of Networking groups.
- MatRIC presentation at UiA, Grimstad 27 May 2014. Presenting Network *Video and Digital Assessment.*
- Paper presentation EDEN annual Conference, Zagreb 10-13 June 2014. Title: *Early testing of e-Exams in Calculus at University level.*
- 16 June, 2014 – Per Kristian Rekdal, HiM (HiMoldeX) seminar with the topic “*Enriching students’ mathematics learning through youtube and facebook*”, in Grimstad
- MatRIC Loughborough visit 12. September 2014, Loughborough. Title: *Teaching Maths at University level – My perspective*
- 23-24 of october, **MatRIC event** Mathematics video-tutorial workshop at HiB in Bergen.
- Attended Online Educa Berlin 2014, 3 – 5, december 2014, Berlin
History – Activity 2015

- January – First of several meetings, UHR videoproduction group (Lindstrøm).
- February – Interview by Mediacentre UiA – Video «Forskerportrett»
- June – First of several week of videorecording in Grimstad by UHR-group.
- June – Visit from Janette Matthews MEC. Translation of Tony Crofts MOOC
- August – Second round of UHR group in Grimstad.
- September – Follow up with Janette Matthews at MEC, Loughborough.
- September 12th and 13th. How to Study Mathematics – MatRIC Seminar. Title: Mathematics video resources.
- October – MatRIC Video Colloquium 2015, Tromsø

Video Network

- Presentation 7 – 8 December Brno, SEMINAR: Aspects of mathematics education at technical schools and universities. Title: Mathematics video resources - where to find them, how to use them, how to create them“.
• Attended Workshop "Challenges in teaching mathematics to future engineers" in Brno 1–3.
• Presentation at MatRIC event «Flipped classroom’ approaches in higher education». 9th of June, Narvik. Title: Teaching Mathematics within electronics engineering without ordinary lectures.
• Attended the 16th Annual EDEN Conference, 14–17 June 2016, Budapest. Norwegian meeting with Fleksibel utdanning Norge.
• Attended the CETL MSOR Conference 2016, Loughborough University, 6–7 September 2016.
• Attended the RAISE16 Conference: ‘Excellence’ in Student Engagement 8–9 September 2016, Loughborough.
• 3rd MatRIC annual Conference, 19–20 October, Gardermoen.
• Presentation at Novemberkonferansen, 29–30 November. Trondheim.
• Presentation at OEB Berlin 2016, 1–2 December, Berlin.
What next????

Video Network

- Videoproduction for MatRIC TV continues with UHR Group.
- Hopefully get someone to produce Croft – Videos for MatRIC TV.
- Collaboration with Alexander Lundervold, HiB with OpenEdx
- Plan for a Video seminar 2017 with:

Tech LAB on Motivating Learners Through Video

If you are eager to learn practical methods to make instructional videos this is a tech lab you cannot miss. It will demonstrate how to present theories and how to use handwriting tools.

Facilitators will demonstrate some of the tools that are typically used, and explain how simple measures can be taken in order to motivate and engage learners in particular for specific subject matter such as mathematics.

As seats are limited, please make sure to sign up for this session at the event.

Chairpersons

- Peer Sverre Andersen
  University College of South-East Norway, Norway

- Nils Henry Rasmussen
  University College of South-East Norway, Norway

- Siv Swendsen
  University College of South-East Norway, Norway