

**MatRIC** Centre for Research,  
Innovation and Coordination  
of Mathematics Teaching



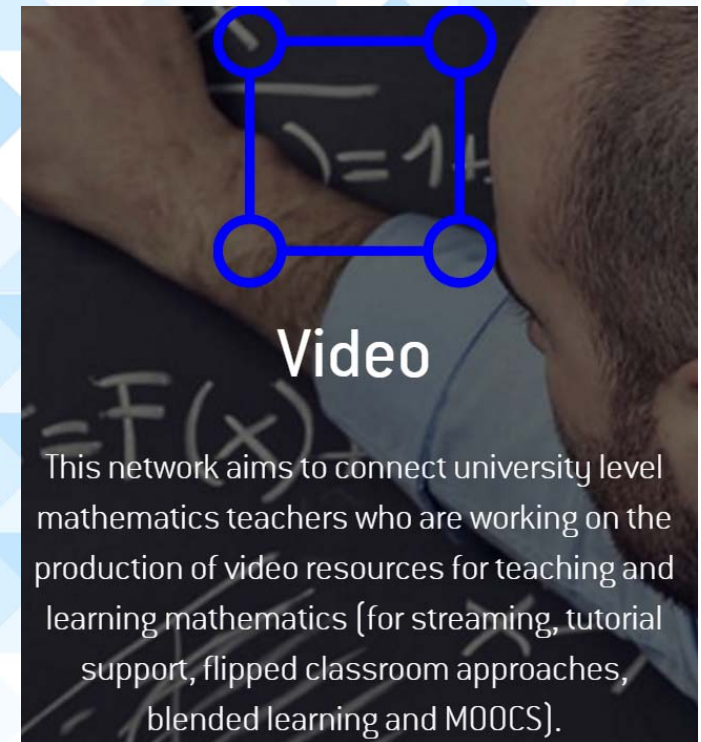
Centre of  
Excellence in  
Education

## Morten Brekke

Department of Engineering  
Teacher in Mathematics and Physics

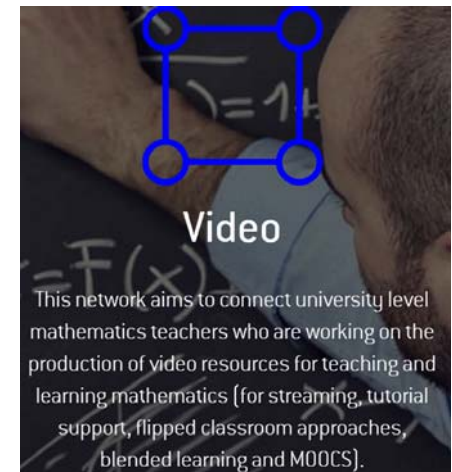
Coordinator of MatRIC's

- Video network
- Digital assessment network



## History – Activity 2014 Video Network

- **MatRIC Launch conference** Gardermoen 12th March 2014. First presentation of Networking groups.
- 2 Presentations at HiG, Gjøvik 22-23 May 2014. About: *Streaming videos and Digital Assessment*.
- 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

## Video Network

- January – First of several meetings, UHR videoproduction group (Lindstrøm).
- February – Interview by Mediacentre UiA – Video [«Forskerportrett»](#)
- Paper presentation 18. – 19. Mars – MNT 2015 Conference in Bergen. Title: *Erfaring med bruk av digital vurdering og videoforelesninger i matematikk på ingeniørutdanningen ved UiA.*
- Paper presentation 21. – 22. April – 8th IMA Conference in Loughborough. Title: *Use of new teaching methods and technology improves performance of engineering students in calculus.*
- 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 12<sup>th</sup> and 13<sup>th</sup>. How to Study Mathematics – MatRIC Seminar. Title: *Mathematics video resources.*
- October – MatRIC Video Colloquium 2015, Tromsø
- Presentation 20. November – DMUK, Copenhagen. Title: *Matematikk i ny innpakning. Bruk av teknologi gir nye muligheter.*
- 2nd MatRIC annual Conference, 25 -27 November, Trondheim.
- 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“.*



### MatRIC Second Annual Conference

Conference theme: Teaching, Learning, and  
Researching Undergraduate Mathematics  
Education



oeb

2016

Morten Brekke

## 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:



Vegard Meland

Lillehammer University  
of Applied Sciences -  
Centre for Lifelong  
Learning, Norway

Organisational MOOCs  
(oMOOC) and VR Video  
for Professional  
Development

## 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  
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