

Det utdanningsvitenskapelige fakultet

Sak nr. 2016/2606

**Notice of
CEMO BOARD MEETING (circulation)**

15 February 2015

Summoned: Rita Hvistendahl (chair), Ola Erstad (IPED), Berit Rognhaug (ISP),
David Rutkowski (employee rep.), Celestina da Silva (student rep.)
From the adm.: Øystein Andresen (Higher Executive Officer CEMO)
Copy: Sigrid Blömeke (director CEMO)

AGENDA

**Item 1/2016 Approval of announcement for PhD candidate (ePhorte
2016/2562)**

The position has a duration of 3 years under the supervision of project leader Postdoctoral Fellow Ronny Scherer. It will be financed by the Norwegian Research Council's Young Research Talents. See attachment 1 for vacancy announcement.

CEMO's postdoctoral researcher Ronny Scherer sent a grant application to 'unge forskertalenter – FINNUT' entitled: 'Educational assessments of the 21st century: Measuring and understanding students' adaptability in complex problem solving situations'. Ronny Scherer's application was granted and one full-time PhD-candidate is funded for 3 years by this project.

The project's primary research objectives are to develop and validate an innovative computer-based assessment of students' ability to deal with novelty and changes in complex problem solving situations (i.e., adaptability). The secondary research objective is to disseminate both the knowledge gained from the project and the computer-based assessment to the research community, test developers, policy-makers, and teachers.

The project will generate new knowledge about adaptability in CPS situations as a critical skill in 21st century education, and will advance national competences in developing innovative, computer-based assessments.

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Suggested decision:

The CEMO board approves the draft announcement for the positions PhD candidate.

Item 2/2016

Approval of announcement for PhD candidate (ePhorte 2016/2562)

The position has a duration of 3 years under the supervision of project leader Professor Leslie Rutkowski. It will be financed by the Norwegian Research Council. See attachment 2 for vacancy announcement.

CEMO's professor Leslie Rutkowski sent a grant application to 'forskerprosjekt – FINNUT' entitled: 'Embracing Heterogeneity in International Surveys: Optimal Test Design and Parameter Estimation'. Rutkowski's application was granted. One full-time postdoctoral position for 3 years and one full-time PhD-candidate is funded for 3 years by this project.

This proposed project's primary objectives are to develop statistical methods and assessment designs that directly incorporate country-based heterogeneity into current achievement estimation models. The results will provide new knowledge of high quality and relevance for international testing organizations, allowing for improved achievement estimation. With these new methods, participating countries have better information to compare their own educational systems with others and develop policy and improve teaching practice.

A secondary objective of the project will be to create freely available software that will produce simulated complex assessment datasets. This product will allow educational researchers to replicate our findings and to conduct independent basic methodological research on complex educational testing methods and conditions. A further secondary objective is to fund doctoral and post-doctoral research fellows, with an aim toward building methodological breadth.

This project will place Norway on the cutting edge of international assessment research and provide Norwegian educational stakeholders with a more accurate picture of achievement to better assess their standing in the global knowledge economy.

The proposed PhD project and postdoctoral researcher should relate to understanding and developing models and methods used to design, estimate, and report scales for international educational test takers. Of particular concern are issues around measuring heterogeneous populations.

Suggested decision:

The CEMO board approves the draft announcement for the positions PhD candidate.

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Item 3/2016

Approval of announcement for Postdoctoral Fellow

The position has a duration of 3 years under the supervision of project leader Professor Leslie Rutkowski. It will be financed by the Norwegian Research Council. See item 2 for background information on the project and attachment 3 for draft announcement.

Suggested decision:

The CEMO board approves the draft announcement for the position as Postdoctoral Fellow.

Rita Hvistendahl
Chair of the board

Øystein Andresen
referent