



UNIVERSITETET I AGDER

Invites, with support by the Faculty of Engineering and Science, to

Seminars in mathematical education “Mondayseminars” - Autumn 2008

Changes, in particular extension possible! Responsible for the series: Reinhard Siegmund-Schultze (UiA)

Week	Date	
		Mondays 14.15 – 16.00, J – building (Niels Henrik Abels hus) , Gimlemoen, Kristiansand, auditorium J2-009 Exceptions will be announced. See separate abstracts on website UiA: http://www.uia.no/no/portaler/om_universitetet/teknologi_og_realfag/matematiske_fag/seminarer_og_fordrag
38	15.09.	14.15: Masterstudent Eivind Vik: “Lærerstudenters forståelse av areal og omkrets”. Advisor: H.E.Borgersen 15.00 – 16.15: Barbara Jaworski Loughborough University, UK: “Teaching Better Mathematics in the University”, Host: A.B. Fuglestad
40	29.09.	Roger Säljö, Unni Wathne, Odd Tore Kaufman, Trine Engeland and Maria Luiza Cestari: “The study of multiplication in classrooms: Theoretical and methodological perspectives”
44	27.10.	Stephanie Thomas (doctoral student of B. Jaworski and at UiA) Loughborough University UK: “Teaching University Mathematics: What mathematicians have said.” Host: S. Goodchild Two master students: Gunhild Skår Fischer: ”Elever og læreboka - En case-studie av læreboka sin rolle hos matematikkelever” Monica Nordbakke: “Hvordan gjennomfører lærere på mellomtrinnet tilpasset opplæring i matematikk?” Advisor: S. Goodchild
45	03.11.	Jesper Lützen (Copenhagen): “Why was Wantzel overlooked for a century? A contribution to the history of impossibility proofs in mathematics” Host: R. Siegmund-Schultze
46	10.11.	Antje Meier (master student): ”En sammenlignende studie av elevers forståelse av likhetstegn med Aplusix og paper/blyant i ungdomskolen.” Advisor: S. Hadjerrouit
47	17.11.	Minna Hannula (University of Turku, Finland): ”Spontaneous Focusing on Numerosity in the Development of Mathematical Skills” Host: A. Kristjansdottir
48	24.11.	Maj Sjøvold (Master student): ”Språkerfaring som støtte i begreplæring i matematikk- en case-studie av elever på 4. trinn sitt arbeid med begreper i matematikk og norsk” Advisors: Martin Carlsen and Magnhild Vollan
49	01.12.	Torfinn Nettet (Masterstudent): ”Store talls lover” Advisor: O. Nygaard
50	08.12.	Christer Bergsten (Linköpings universitet): “Why do students go to lectures?” Host: B. Grevholm

50	11.12.	Eva Jablonka from Luleå University of Technology: “Sociological perspectives in research in mathematics education” Host: B. Grevholm Please note different day and room compared to usual: Thursday and JU-071. Time as always 14.15!
51	15.12.	Bharath Sriraman (The University of Montana; USA): ”The appropriation (or misappropriation) of Imre Lakatos in Mathematics Education: An Interchange with David Pimm” Host: S. Goodchild

***The appropriation (or misappropriation) of Imre Lakatos in Mathematics Education:
An Interchange with David Pimm***

Bharath Sriraman
Dept of Mathematical Sciences
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This lecture and seminar revolves around a paper entitled “An Ode to Ime Lakatos” published by the speaker in *Interchange* as part of a special issue of the International History and Philosophy of Science Group. In this paper, I boldly theorized the didactical possibilities of Lakatos’ work and created a classroom scenario where the real and the imaginary intertwined in the context of combinatorial counting problems. One of the consequences of the paper was a study conducted in South Korea based on the theoretical possibilities outlined in this paper with talented mathematics students. Another consequence was that this paper intellectually provoked David Pimm to respond, and he in turn presented a paper entitled “Will the real Lakatos please stand up?” at the next meeting of the IHPST group in Calgary 2007. I was asked to write a counter response to David’s paper, which is entitled “Let Lakatos Be!” , in which I reflect on my position on Lakatos 8 years ago, and my new position on the significance of his work for mathematics education, partly as a result of David’s response, and partly as a result of my own awareness of the appropriation and misappropriation of Lakatos’ work in mathematics education. In this talk, I will re-construct this 3 year interchange on Lakatos between me and David Pimm, and open the floor for discussion on the significance of Lakatos for mathematics education.

References

Sriraman, B. (2006). An Ode to Imre Lakatos, *Interchange: A Quarterly Review of Education*, vol.37, nos1&2, pp. 151-178.

Pimm, D., Beisiegel, M & Meglis, I. (2008, in press). Would the real Lakatos please stand up? *Interchange: A Quarterly Review of Education*, vol. 39, no.4,

Sriraman, B. (2008, in press). Let Lakatos be! A commentary to “Would the real Lakatos please stand up?” *Interchange: A Quarterly Review of Education*, vol. 39, no.4

Yim, J., Song, S., and Kim, J. (2008). Mathematically gifted students’ revisiting of Euler’s polyhedron theorem. *The Montana Mathematics Enthusiast*, 5(1), 125-142.