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## Teachers as Stakeholders in Mathematics Education Research (MER) (10w5030)

Arriving Sunday, December 5 and departing Friday December 10, 2010

### Organizers

Guenter Toerner (University of Duisburg-Essen)

Sharon Friesen (University of Calgary)

Klaus Hoechsmann (Pacific Institute for the Mathematical Sciences)

Bharath Sriraman (University of Montana)

### Objectives

In November 2007, the Mathematical Research Institute at Oberwolfach (MFO) hosted an international workshop on the professional development of teachers. This underscored the fact, that the mathematical community in Germany and in particular the German Mathematicians' Association (DMV) regards the scientific development of mathematics teachers as one of its priorities, and strongly supports it. Five research mathematicians from Germany took part in the 2007 session. Therefore, we anticipate that

1. the planned workshop will promote communication with mathematicians from North America and elsewhere,
2. as international experts of the discipline ( "Professional Development") have suggested, the process begun at MFO in 2007 could be continued at BIRS,
3. with a view toward producing precise (however modest) practical conclusions.

Mathematics education research has often been criticized as being divorced from practice, with research making little or no impact on day to day realities. Various ways in which MER could become useful to practising teachers are examined. Such initiatives are particularly important with regard to the needs of teachers in indigenous communities, of teachers as stakeholders in professional development programs [Telekom project initiatives (Germany), Galileo (Canada) etc], and as a crucial element in a Design Science based research.

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### Confirmed Participants

Name	Affiliation
Adem, Alejandro	University of British Columbia
Alvarez-Adem, Melania	Pacific Institute for the Mathematical Sciences
Berndtsen, Britta	U of Duisburg-Essen
Beswick, Kim	University of Tasmania
Biehler, Rolf	University of Paderborn
Chapman, Olive	University of Calgary
Friesen, Sharon	University of Calgary
Goodchild, Simon	University of Agder
Heinze, Aiso	IPN Kiel
Hodgson, Bernard	Université Laval
Hoechsmann, Klaus	Pacific Institute for the Mathematical Sciences
Howe, Roger	Yale University
Jarry-Shore, Michael	Calgary Girls School
Krainer, Konrad	University of Klagenfurt
Kramer, Juerg	HU Berlin
Lagu, Indy	Mount Royal University
Liljedahl, Peter	Simon Fraser University
McNeil, Sandra	Calgary Girls School

Name	Affiliation
Pegg, John	SIMERR National Centre
Roesken, Bettina	Faculty of Mathematics
Schoenfeld, Alan H.	University of California, Berkeley
Sirotic, Natasa	Southpointe Academy
Sole Kahler, Diana	Mt. Royal University
Sriraman, Bharath	University of Montana
Toerner, Guenter	University of Duisburg-Essen
Tsamir, Pessia	Tel Aviv University
Winter, Ekkehard	Deutsche Telekom Foundation
Zehetmeier, Stefan	University of Klagenfurt

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