

Opponent's Report on Dissertation Thesis

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Author:	PhDr. Tomáš Klinger
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Title of the Thesis:	Multiagent Network Models of Financial Stability
Type of Defense:	DEFENSE
Date of Pre-Defense:	May 18, 2016
Opponent	Prof. David Tripe, BCA (Hons), MBS, PhD, Dip Bank

Address the following questions in your report, please:

- a) Can you recognize an original contribution of the author?
- b) Is the thesis based on relevant references?
- c) Do the results of the thesis allow their publication in a respected economic journal?
- d) Are there any additional major comments on what should be improved?
- e) Were the comments raised at the pre-defense, addressed in the dissertation submitted to the regular defense?
- f) What is your overall assessment of the thesis? (a) I recommend the thesis to be defended without major changes; (b) The thesis is not defensible.

(Note: The report should be at least 2 pages long.)

Content of the Report:

I have reviewed the version of the thesis of Tomas Klinger that has been revised following the pre-defence, and respond to the specific questions as follows:

- a) There is an original contribution in terms of the development of models around systemic risk in banking and its relationship to sovereign debt crises in particular, with significant use made of network models (and therefore very current in terms of academic progress). The rest of the thesis provides an introductory review of recent developments in global banking regulation (under the aegis of the Basel Committee) and an attempt to calibrate the model. The introductory review is original in terms of providing a link to the theory of regulation, and it provides some interesting perspectives on the development of regulation.
- b) The thesis is based on relevant references.
- c) The main results of the thesis have already been published in economic journals, which limit their scope to be published again, unless further work was to be undertaken to produce articles which differed to a greater degree (compared to what

is in the thesis) from those already published. The material in the thesis should, however, provide a useful foundation for further publications in due course.

- d) I do not have any major comments on any areas requiring significant improvements, although there is a small number of minor corrections, alterations and additions that I would suggest as being desirable:
- The reference to Berger & Herring (1995) on page 14 should be to Berger, Herring & Szego;
 - Figure 1.10 on page 33 would be more meaningful with a legend;
 - There are inconsistencies in the line spacing from time to time in the thesis (see, for example, pages 72 and 73);
 - The page break between page 86 and 87 is a little peculiar (and confusing);
 - For the Akerlof reference on page 132, "Journal" is spelled incorrectly;
 - On page 133, the third reference has "comprehensive" spelled incorrectly. This reference and the following one incorrectly record the place of publication as Base, rather than Basel;
 - On page 135, the fourth to last reference is incorrectly described as being by author, "Elsevier"; and
 - The author of the 9th reference on page 137 is incorrectly described as "James, D.", not "Dean, J."

I cannot guarantee, however, that this listing of minor errors is exhaustive.

- e) The comments that I raised in my assessment of the pre-defence version of the thesis appear to have been addressed satisfactorily in this final version. I was pleased to see the broader and more extensive range of references now being cited, and the strengthening of what was already a good piece of work into something better.
- f) I recommend that the thesis be defended without major changes.

I have not thought it necessary to provide a further review of the strengths and weaknesses of the thesis, beyond what was provided in my pre-defence report.

Date:	9 August 2016
Opponent's Signature:	
Opponent's Affiliation:	Prof. David Tripe, BCA (Hons), MBS, PhD, Dip Bank Massey University, New Zealand