

**Special Issue of *Studia Logica***  
**on**  
**Applied Logic in the Philosophy of Science**

Guest editors: Igor Douven and Leon Horsten

*Studia Logica* is extending its scope. In future the journal will not only cover pure logic but also applications of formal-logical methods in philosophy and cognitive science. To mark this change, the journal will have several special issues, of which this is one.

**Theme of the Special Issue**

When logical empiricism declined, logic seemed to lose its role as the primary tool for investigating the methodology of science. Recently, logical methods in the philosophy of science have been making a comeback.

Recent developments of logical methods in areas outside of logic as it was traditionally conceived have excited new interest in the application of logic to methodological questions. New logical tools and methods are gradually being absorbed by the philosophical community and are being applied to specific problems in the philosophy of science. The proposed Special Issue intends to illustrate this new trend in the philosophy of science on the basis of exemplary instances.

The proposed theme is fairly open-ended, but contributions of the following sort fall squarely within its scope:

- Investigations of the interaction between logical and probabilistic methods in the methodology of the sciences;
- Applications of specialized logical tools and modelling techniques to the methodology of particular sciences;
- New ideas for using logical techniques in the development of rational reconstructions of scientific theories;

The application of novel logical modelling techniques to the process of the evolution of scientific theories in response to new empirical evidence.

**Invited authors:** Hannes Leitgeb (Bristol) and Gerhard Schurz (Düsseldorf); Sonja Smets (Free University of Brussels) and Alexandru Baltag (Oxford); Simon Huttegger (Konrad Lorenz Institute for Evolution and Cognition Research); Otavio Bueno (University of Miami).

The invited authors are kindly requested to limit their contribution to between 15 and 20 pages (including bibliography).

**Submission of Papers**

Submitted papers should be between 15 and 20 pages long (including bibliography), and should be formatted according to the *Studia Logica* LaTeX style (see [www.StudiaLogica.org](http://www.StudiaLogica.org)). Some contributions in Microsoft Word may also be accepted: authors should consult the guest

editors about this possibility. Only electronic submissions will be accepted. The authors should send an email with subject “Studia Logica Submission” to the guest editors (Igor Douven, [igor.douven@hiw.kuleuven.be](mailto:igor.douven@hiw.kuleuven.be) and / or Leon Horsten, [leon.horsten@hiw.kuleuven.be](mailto:leon.horsten@hiw.kuleuven.be) ), with the file of the paper as an attachment, and the following information in the body of the email in plain text: paper title, author names, surface mail, email address of the contact author and a short abstract.

**Deadline for submission of manuscripts: June 30<sup>th</sup> 2007**

All papers will be refereed according to the standards of the journal. The refereeing process is expected to be finished by December 2007 and the issue published in Spring 2008.