INTRODUCTORY SCHOOL
to the Trimester Program

**Homotopy theory, manifolds, and field theories**

**Organizers:** Søren Galatius, Haynes Miller, Stefan Schwede, Peter Teichner

**Date:** Monday, May 4 to Friday, May 8, 2015

**Location:** Hausdorff Research Institute for Mathematics (HIM), Bonn

This school provides an introduction to some of the main topics of the trimester program; the lectures are mainly directed at graduate students and postdocs.

**Program**
The following speakers will each give a sequence of lectures, which will be complemented by daily problem and discussion sessions.

- David Ayala (Montana)
  *Factorization Homology*

- Oscar Randal-Williams (Cambridge)
  *Moduli spaces of manifolds*

- Stefan Schwede (Bonn)
  *Global equivariant homotopy theory*

- Peter Teichner (Bonn)
  *Ring spectra from geometric field theories*

**Call for participation:** Financial support for PhD students and postdocs is available. Please send applications (including CV and a letter of recommendation) using the online application form at [http://www.him.uni-bonn.de/summerschool-ht-2015/](http://www.him.uni-bonn.de/summerschool-ht-2015/). The deadline for applications is: January 15, 2015.