

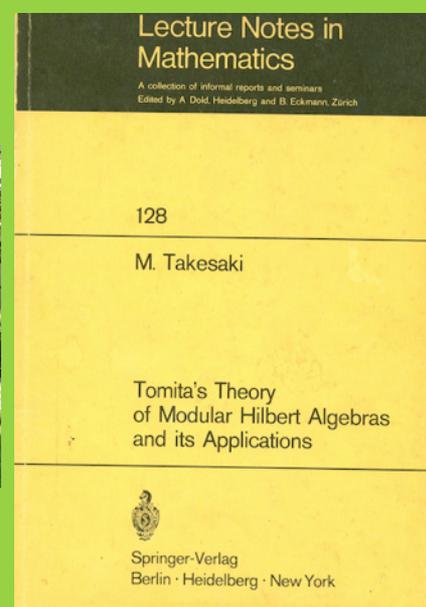
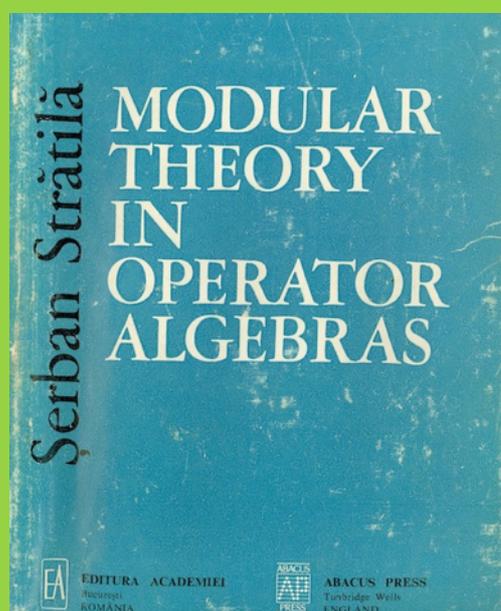
# Master class in Modular Theory of von Neumann algebras

Who: Șerban Strătilă and Masamichi Takesaki

Where: I.M.Sc., Chennai

When: 24 Nov to 5 Dec, 2014

This workshop offers an introduction to the basics of the modular theory of von Neumann algebras by two of the masters on the theme. Interested participants should send a one-line email to [sunder@imsc.res.in](mailto:sunder@imsc.res.in) describing their level of preparedness to benefit from this workshop.



**Șerban Strătilă** has spent his entire mathematical career (more than 4 decades now) training an entire-generation of operator algebraists. He has been at Incestr at Bucharest ever since (actually even before) his Ph.D. in 1973, in both pre- and post-Ceaucescu eras. He has surely taught and/or influenced all of: Dan Voiculescu, Adrian Ocneanu (his Ph.D. student), Sorin Popa, Hari Bercovici, Florin Radulescu, ... the list is endless. His 'Modular theory in Operator Algebras' is a classic tome, as is his book with Zsido on von Neumann algebras.

One of the greatest of **Masamichi Takesaki's** many contributions to the theory of Operator algebras was realising the importance of Tomita's not too lucidly written, and unpublished work on modular Hilbert algebras. It was only after his readable treatment was published in the Springer Lecture Note Series as 'Tomita's Theory of Modular Hilbert Algebras' that the so-called Tomita-Takesaki theorem was recognized for the underpinning it provided for the possibility of studying von Neumann algebras/factors of type III. If Stratila nurtured the Romanian fraternity of operator algebraists, then Takesaki similarly nurtured the Japanese school, although he spent most of his professional years at UCLA.

Eligibility: Familiarity with basic operator algebra theory including some knowledge of von Neumann algebras; prospective audience ranging from 2nd year graduate students to researchers.