

Preliminary schedule for:
Arbeitsgemeinschaft mit aktuellem Thema:
ALGEBRAIC STRUCTURES IN CONFORMAL FIELD THEORIES
Mathematisches Forschungsinstitut Oberwolfach
01.04.-07.04.2007

Sunday:

after 16:00 Arrival in Oberwolfach

Monday:

- 09.00-10.00 Talk 1: Tensor categories and module categories
(Rolf Dyre Svegstrup, University of Tokyo)
- 10.00-10.15 Discussion
- 10.15-10.45 Break
- 10.45-11.45 Talk 2: Tensor categories from factors
(Arthur Bartels, Universität Münster)
- 11.45-12.00 Discussion
- 12.00-12.30 Addenda

- 16.00-17.00 Gong show, part I (see separate schedule)
- 17.15-18.15 Talk 3: Tensor categories for loop groups
(Ulrich Bunke, Universität Göttingen)
- 18.15-18.30 Discussion
- 20.00-21.00 Gong show, part II (see separate schedule).

Tuesday:

- 09.00-10.00 Talk 4: Frobenius algebras and Q -systems
(Pinhas Grossman, Vanderbilt University)
- 10.00-10.15 Discussion
- 10.15-10.45 Break
- 10.45-11.45 Talk 5: The double of a finite group
(Jürgen Müller, RWTH Aachen)
- 11.45-12.00 Discussion
- 12.00-12.30 Addenda

- 16.00-17.00 Talk 6: Orbifolds
(Oliver Gray, Universität Augsburg)
- 17.00-17.15 Discussion
- 17.15-18.15 Talk 7: Classification of fusion categories
(Michael Cuntz, Universität Kaiserslautern)
- 18.15-18.30 Discussion

Wednesday:

- 09.00-10.00 Talk 8: Classification of module categories
(Ho Hai Phung, Universität Duisburg-Essen)
- 10.00-10.15 Discussion
- 10.15-10.45 Break
- 10.45-11.45 Talk 9: Exceptional tensor categories in subfactor theory
(Emily Peters, UC Berkeley)
- 11.45-12.00 Discussion
- 12.00-12.30 Addenda

Excursion

Thursday:

- 09.00-10.00 Talk 10: Reshetikhin-Turaev construction
(Rafal Suszek, École Normale Supérieure Lyon)
- 10.00-10.15 Discussion
- 10.15-10.45 Break
- 10.45-11.45 Talk 11: Three-dimensional TFT from a subfactor
(Chris Schommer-Pries, UC Berkeley)
- 11.45-12.00 Discussion
- 12.00-12.30 Addenda
- 14.00-15.00 Talk 12: Conformal blocks for WZW models
(Vincent Graziano, SUNY Stony Brook)
- 15.15-15.30 Discussion
- 15.30-16.00 Coffee
- 16.00-17.00 Talk 13: Knizhnik-Zamolodchikov connection
(Marc Nieper-Wißkirchen, Universität Mainz)
- 17.00-17.15 Discussion
- 17.15-18.15 Talk 14: The TFT approach to CFT correlation functions
(Christian Lehn, Universität Mainz)
- 18.15-18.30 Discussion
- After Dinner Discussion on next Arbeitsgemeinschaft

Friday:

- 09.00-10.00 Talk 15: Symmetries and dualities in conformal field theory
(Pasquale Zito, Moscow)
- 10.00-10.15 Discussion
- 10.15-10.45 Break
- 10.45-11.45 Talk 16: α -induction
(Marta Asaeda, UC Riverside)
- 11.45-12.00 Discussion
- 12.00 Lunch
- 13.15-14.15 Talk 17: Boundary conditions in the operator algebraic approach
(Dorothea Bahns, Universität Hamburg)
- 14.15-14.30 Discussion
- 18.00 Dinner

Gong show

16.00-16.10	Tobias Hagge	<i>Graphical calculi in fusion categories</i>
16.10-16.20	Michael Cuntz	<i>Integral modular data and congruences</i>
16.20-16.30	Emily Peters	<i>The Haagerup planar algebra</i>
16.30-16.40	Thomas Quella	<i>Supergroup WZNW models and logarithmic CFT</i>
16.40-16.50	Ulrich Pennig	<i>Sectors for conformal quantum field theories on the half space</i>
16.50-17.00	Liang Kong	<i>Cardy condition in BCFT</i>
20.00-20:10	Chris Schommer-Pries	<i>Cohomology Theories and Field Theories</i>
20.10-20:20	Konrad Waldorf	<i>Gerbes and the Lagrangian Approach to Conformal Field Theory</i>
20.20-20:30	Urs Schreiber	<i>Parallel Transport and Quantization</i>
20.30-20:40	Christian Lehn	<i>Symplectic reduction of polar representations</i>
20.40-20:50	Christoph Wockel	<i>Equivalences of smooth and continuous principal bundles with infinite-dimensional structure groups and some applications</i>