



## Thematic Session

**Session title:** Group Rings and Related Topics

**Organizers:**

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**Description of the topic:**

The thematic session on Group Rings and Related Topics will focus on the following four areas.

- 1) Units in integral group rings which may be considered as a special case of units in  $Z$ -orders or in matrix rings.
- 2) Modular group rings and representation rings, e.g. Burnside rings.
- 3) Codes and lattices, especially extremal self dual codes.
- 4) Involutive Yang-Baxter groups.

In all these four topics important progress has been made within the last years. The minisymposium consolidates and expands contacts between Polish and German mathematicians made in several international conferences on groups, rings and group rings, especially that ones held in Bedlewo in the last years.

**2011 Mathematic Subject Classification:**

16S34,16U60,16T25,19A22,20Cxx,20Exx,81R50,94Bxx