These proceedings contain the papers accepted for oral presentation at the 8th International Conference on Knowledge Engineering and Semantic Web (KESW 2017). The conference was held in Szczecin, Poland, during November 8–10, 2017.

The principal mission of the KESW conference series is to provide a discussion forum for the community of researchers currently underrepresented at the major International Semantic Web Conference (ISWC) and Extended/European Semantic Web Conference (ESWC). This mostly includes researchers from Eastern and Northern Europe, Russia, and former Soviet republics. This year, the conference was held in Szczecin to catalyze discussions between the traditional KESW community and the European research community.

As in previous years, KESW 2017 aimed at helping the community to get used to the common international standards for academic conferences in computer science. To this end, KESW features a peer-reviewing process in which every paper was reviewed in a rigorous but constructive way by three members of the Program Committee (PC), supported by EasyChair. As before, the PC was international, representing countries ranging from Russia to Germany and the USA.

We received a total of 58 submissions. The strict reviewing policies resulted in the acceptance of 16 full research papers. This translates into an acceptance rate of 28 %. An additional eight papers (14 \%) were accepted for short presentation and have also been given space in these proceedings. The authors represent mainly various parts of Russia, as well as EU countries, including Poland and Germany.

KESW 2017 continued the tradition of inviting established researchers for keynote presentations. We are grateful to the keynote speakers for their insightful talks. The program also included posters and position paper presentations to help attendees, especially younger researchers, to discuss preliminary ideas and promising PhD topics.

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Przemysław Różewski
Christoph Lange