

*Development of mathematics and related sciences  
in Central-Eastern Europe in the 20th century*

Kraków, Polish Academy of Arts and Sciences,

Poland, September 13–15, 2017

**Program**

**September 13, 2017**

**Session: 10.00 – 12.55**

**10.00-10. 15 Opening of the Conference**

**Chair: Professor Roman Murawski (Poland)**

10.15-10.55 Sergey S. Demidov (Russia): **Professor of the Moscow University Boleslaw K. Mlodzeevski and mathematics in Moscow at the end of 19th century - the first third of 20th century.**

**Coffee Break 11.05 -11.20**

11.20-12.00 Roman Duda (Poland): **Mathematics at the universities of Kaunas, Poznań and Vilnius in the interwar period – a comparative study.**

12.10– 12.50 Martina Bečvářová (Czech Republic): **Gerhard Hermann Waldemar Kowalewski and his two Prague periods.**

**13.00-15.00 Lunch**

**Afternoon Session**

**Chair: Professor Sergey S. Demidov (Russia):**

15.00-15.40 Emelie Kenney (USA): **Learning and Teaching Mathematics in World War II Poland: Experiences of Three Daring Women.**

15.50-16.30 Kalina Bartnicka (Poland): **A mathematics teacher: between university and school.**

**Coffee Break 16.40- 17.00**

17.00 -17.30 Stanisław Domoradzki, Karolina Karpińska\* (Poland): **The role of Matura examination in Mathematics and its influence on the development of mathematical culture in the territory of Poland under Prussian partition and in the first years after regaining independence.**

17.40- 18.10 Zofia Gołąb-Meyer (Poland): **Science in Third Reich-- scientists' attitudes.**

18.20 Conclusion of the afternoon session. Announcements.

September 14, 2017

**9.00-10.15 Poster Session – chaired by Maja Wenderlich (Poland):**

**10.20- 13.10 Session**

Chair: **Professor Martina Bečvářová (Czech Republic):**

10.15 – 10.55 Roman Murawski (Poland): **What are objects of mathematics and logic?**

11.00-11.30 Renata Bujakiewicz-Korońska\*, Jan Koroński (Poland): **Genesis of the Cracow School of Differential Equations.**

**11.35-11.50 Coffee break**

11.50-12. 30 Paweł Polak (Poland): **Mathematics and metaphysics: some remarks about Polish philosophy of mathematics in the second half of 19<sup>th</sup> and the beginning of 20<sup>th</sup> century.**

**12.35.-13.05** Piotr Błaszczyk (Poland): **Euler's formula – between standard and non-standard analysis.**

**13.10-15.00 Lunch**

Afternoon Session: (15.00- 18.30)

Chair: **Professor Emelie Kenney (USA)**

15.10-15.40 Egor Bogatov (Russia): **On the mutual influence of the Polish and Soviet schools of functional analysis in the second quarter of XX century.**

**Coffee break 15.50-16.20**

16.20-16.50 Helena Durnová (Czech Republic): **Václav Hlavatý and Stanisław Gołąb: connecting peripheries through a center?**

17.00-17.40 Wiesław Wójcik (Poland): **Continuum theory and the research on foundations of geometry in the Warsaw School of Mathematics.**

17.50-18.20 Stanisław Domoradzki, Michael Zarichnyi\*, Margaret Stawiska (Poland, Ukraine, USA): **Mathematics and mathematicians in Lvov during World War II: an attempt at description.**

18.30 Conclusion of the afternoon session. Announcements.

**September 15, 2017**

Morning Session (9.15- 13.10)

Chair: **Professor Roman Duda** (Poland)

9.15-9.55 Oleh Petruk (Ukraine): **Astronomy in Lviv in the first half of the XX century.**

10.05-10. 45 Andrij Rovenchak\*, Olena Kiktyeva (Ukraine): **Theoretical Physics in Lviv: Bibliography and Genealogy.**

**Coffee Break 10.55-11.15**

11.15-11.50 Jan Woleński (Poland): **Philosophical Ideology of Polish Mathematical School.**

12.00-12.40 Andrzej Kajetan Wróblewski (Poland): **The top ten in physics in Poland 1915-2015.**

**12.50-13.10 Conclusion of the Conference**

**13.40-15.00 A tour of the Botanical Garden of UJ (Kopernika street 27)**

**Note: All sessions are taking place in the PAU building, Kraków, Sławkowska street 17, on the ground floor in Karolina Lanckorońska Room;**

**\* indicates the speaker in the case of a multi-author work.**

**Poster Session**

Juozas Banionis (Lithuania): **The Beginning of the 20th Century. At the Roots of Mathematics in the Lithuanian Language: Mathematics Textbooks by President A. Smetona;**

Marlena Fila (Poland): **Bernard Bolzano and the axiom of continuity;**

Karolina Karpińska, Bogumiła Klemp-Dyczek (Poland): **Otto Reichel's construction tasks as an example of work with gifted gymnasial students in the Torun Gymnasium in the 19th century;**

Jan Koroński (Poland): **Tadeusz Ważewski (1896-1972) and his results in the field of differential equations;**

Jan Koroński (Poland): **Mirosław Krzyżański (1907-1965) and his publications in the field of partial differential equations;**

Jan Koroński (Poland): **Jacek Szarski (1921-1980) his life and scientific activity;**

Krzysztof Maślanka (Poland): **New Globally Convergent Expansion of the Riemann Zeta Function;**

Maja Wenderlich (Poland): **The Milestones in the Life Course of Distinguished Mathematicians and Mathematically Gifted Adolescents.**