



Tarnowskie Góry, 5 – 7 June 2019

CONFERENCE PROGRAMME

5.06.2019, WEDNESDAY

8:30 – 10:00 Registration & welcome coffee

10:00 – 10:20 Conference opening

10:20 – 11:00 Introductory lecture:

→ **Leszek Marks** – "Formal stratigraphic subdivision of the Quaternary"

11:00 – 12:40 Session 1: **Mortars** (100 min.):

- Alf Lindroos, **Thomas Schröder Daugbjerg**, Jesper Olsen, Åsa Ringbom, Jan Heinemeier – "Sample preparation tests for radiocarbon dating of mortars"
- **Danuta Michalska** – "Sequential dissolution of carbonate rocks in context of mortars dating"
- **Alf Lindroos**, Åsa Ringbom, Jan Heinemeier, Jesper Olsen, Irka Hajdas – "Radiocarbon dating of the Roman Mérida Amphitheater in W Spain. Challenges with an unusually hard and impermeable mortar"
- **Irka Hajdas**, Manuel Janosa – "¹⁴C dating of mortar from ruins of an early Medieval church Hohenrätien GR, Switzerland"
- **Giulia Tirelli**, Stefano Lugli, Marta Caroselli, Anna Galli, Irka Hajdas, Alf Lindroos, Marco Martini, Francesco Maspero, Jesper Olsen, Laura Panzeri, Åsa Ringbom, Emanuela Sibilis, Elena Silvestri – "Dating earthquake damage of the Modena cathedral vaults (Northern Italy): an integrated approach"

12:40 – 13:10 Coffee break

13:10 – 14.30 Session 2: **¹⁴C in Environment** (80 min.):

- **Roman Nepop**, Anna Agatova, Piotr Moska – "To the problem of last large dammed lakes existence in intermountain depressions of the SE Altai, Russia"
- **Anna Agatova**, Roman Nepop, Maria Bronnikova, Yulia Konopliankova – "Problems of applying radiocarbon analysis for dating contemporary and fossil soils within tectonically active mountain terranes (by the example of the SE Altai)"
- **Piotr Szwarczewski**, Jonas Mažeika, Ričardas Paškauskas, Ewa Smolska, Žana Skuratovič, Olga Jefanova – "Dating the Nemunas delta progradation - a multiproxy approach"
- **Tatiana Pampura**, Olga Zarubina, Markus Meili – "Effect of dating model on a peat-based reconstruction of Pb deposition history"

14:30 – 15:30 Lunch

15:30 – 17:10 Session 3: **Archaeology** (100 min):

- **Peter Barta**, Jana Mellnerová Šuteková – “Absolute Chronology of Baden: Radiocarbon changes the narrative?”
- **Marek Nowak**, Stanisław Wilk, Marcin M. Przybyła – “Absolute chronology of the Early Eneolithic units in Lesser Poland. A discourse between pure radiocarbon and context-conditioned dating”
- **Kęstutis Peseckas**, Gytis Piličiauskas, Elena Pranckėnaitė, Simona Matuzevičiūtė, Rokas Vengalis, Jonas Mažeika, Žana Skuratovič – “Ancient logboats in Lithuania: new finds, wood species and chronology”
- **Tomasz Chmielewski**, Agata Hałuszko, Tomasz Goslar, Sven Brummack, Olivia Cheronet, Tamás Hajdu, Tamás Szeniczey, Cristian Virag – “Stratified sampling of human remains for accurate ¹⁴C dating. Chronometric studies on Eneolithic burials discovered in Mikulin 9 (Poland) and Urziceni-Vamă (Romania)”
- **Jan Petřík**, Libor Petr, Katarína Adameková – “First steps in dating of Celtic fields in the Czech Republic”

17:30 – 18:30 Poster session no. 1 / coffee break

18:30 – 19:00 *Duo Vitare* – cello & guitar concert

19:15 – Ice-breaking party

6.06.2019, THURSDAY

8:15 – 9:00 Lecture:

- **Grzegorz Adamiec** – „Optically stimulated luminescence dating using quartz”

9:00 – 10:20 Session 4: **OSL-methods** (80 min.):

- **Alicja Chruścińska**, Piotr Palczewski, Tomasz Rerek – “SAR protocol using thermally modulated OSL (TM-OSL) of quartz”
- **Konrad Tudyka**, Sebastian Miłosz, Aleksander Kolarczyk, Grzegorz Adamiec, Andrzej Bluszcz, Grzegorz Poręba, Piotr Moska – “Environmental radioactivity and dose rate measurement with the μ Dose system”
- **Grzegorz Poręba**, Konrad Tudyka, Aleksander Kolarczyk, Agnieszka Szymak - “Problems with precise determination of dose rate in luminescence dating with γ spectrometry due to the ^{222}Rn leakage”
- **Tamás Bartyik**, György Sipos, Gergő Magyar – “Quartz luminescence sensitivity of fluvial and aeolian samples in the Panonian Basin”

10:20 – 11:50 Poster session no.2 / coffee break

11:50 – 13:30 Session 5: **OSL- applications** (100 min.):

- **Zdzisław Jary**, Piotr Moska, Marcin Krawczyk, Jerzy Raczyk, Jacek Skurzyński – “Revision of the Late Pleistocene loess-palaeosol stratigraphy in Poland”
- **Jacek Skurzyński**, Zdzisław Jary, Piotr Moska, Jerzy Raczyk – “The variations in chemical composition of the L1LL1 loess unit in context of age-depth model and spatial distribution – case of Biały Kościół and Tyszowce sections (Poland)”
- **György Sipos**, Orsolya Tóth, Tímea Kiss, Tamás Bartyik, Dávid Filyó, Gábor Mezősi – “OSL dating of terrace and floodplain development along the Hungarian Lower Danube”
- **Nasrin Karimi Moayed**, Jan Bastiaens, Paulina Biernacka, Ann-Eline Debeer, Wim De Clercq, Koen Deforce, P. De Smedt, E. Ghyselbrecht, D. Vandenberghe, J. De Grave – “Developing a temporal framework for past natural resource exploitation in the Sonian Forest using optically stimulated luminescence dating”
- **Piotr Moska**, Zdzisław Jary, Grzegorz Poręba, Konrad Tudyka, Jerzy Raczyk, Marcin Krawczyk, Jacek Skurzyński, Adam Michczyński, Grzegorz Adamiec, Natalia Piotrowska, Fatima Pawełczyk, Agnieszka Szymak, Kamila Ryzner – “Stratigraphic aspects of inland dune formation on Niemodlin Plateau (SW Poland)”

13:30 – 14:30 Lunch & coffee

15:00 – 19:00 Trip to the historic silver mine in Tarnowskie Góry (UNESCO heritage site)

20:00 – 22:00 Conference dinner & pianist performance

7.06.2019, FRIDAY

8:15 – 9:00 Lecture:

- **Andrzej Z. Rakowski** – “Everything you always wanted to know about radiocarbon* (*but were afraid to ask)”

9:00 – 10:40 Session 6: **¹⁴C methods/Speleothems/** (100 min.):

- **Matthias Huels** (invited) “Radiocarbon dating of iron artefacts”
- **Jacek Pawlyta** – “Some problems of isotopic fractionation correction in radiocarbon dating and other ¹⁴C applications”
- **Jacek Pawlak**, Helena Hercman, Marcin Błaszczuk, Paula Sierpień, Bartosz Wach – “Estimation of age duration for depositon breaks (hiatuses)”
- **Marcin Błaszczuk**, Helena Hercman, Jacek Pawlak – “Paleoclimate reconstruction for MIS 9 - MIS 7 period basing on speleothems records from selected caves in Tatra Mts. (Poland)”
- **Jacek Pawlak**, Helena Hercman, Marcin Błaszczuk, Paula Sierpień, Bartosz Wach – “Last Glacial/Holocene transition recorded in the speleothem from the Demianova cave system (Slovakia)”

10:40 – 11:40 Poster session no. 3 / coffee break

11:40 – 13:00 Session 7: **Tree-rings/Varia** (80 min.):

- **Tiberiu Bogdan Sava** – “Inter-validation of dendrochronology and ¹⁴C dating on a tree-ring sequence of 700 years originating from Eastern Carpathians”
- **Sławomira Pawełczyk** – “Air pollution by sulfur dioxide on the basis of carbon isotopes in tree rings – case study for Sudeten, Tatras and Suwałki region in Poland”
- **Libor Petr** – “Neolithic wooden wells from Czech Republic, dating and their importance for landscape reconstruction”
- **Jacek Pawlyta**, Andrzej Rakowski – “¹⁴C excursions in the available radiocarbon time-series”

13:00 – 13:30 General discussion and conference closing

13:30 – 14:30 Lunch & coffee