



7th Baltic Stratigraphical Conference

17-18 May 2008
Tallinn, Estonia

Scientific Programme
(as of 25 April 2008)

Friday, 16 May 2008

Registration in the hotel lobby will be opened from 15.00 to 21.00.

Ice-breaker will take place in the conference center from 18.00 to 21.00.

Saturday, 17 May 2008

9.00	Opening Ceremony	
9.15	Plenary Session Convener O. Hints	A.T. Nielsen: Lower Cambrian sequence stratigraphy and palaeogeography in Baltoscandia
9.35		L. Ainsaar, D. Kaljo, T. Martma and T. Meidla: Middle and Upper Ordovician carbon isotope stratigraphy in Baltoscandia: towards a regional chemostratigraphic standard
9.55		E. Lukševics and G. Stinkulis: Sea-level and biotic changes, events and stratigraphy of the Upper Devonian of Latvia
10.15		A. Raukas: On the Quaternary time scale and physical age of Estonian Pleistocene deposits
10.35	Coffee, tea and posters	
11.00	Session 2 (IGCP 503) Convener T. Servais	W. Buggisch, M. M. Joachimski and O. Lehnert: Late Ordovician (Turinian-Chatfieldian) climate of Laurentia
11.20		E. Kiipli: Reconstruction of currents in the Ordovician-Silurian Baltic Basin
11.40		O. Lehnert, P. Männik, M. Joachimski and W. Buggisch: A first $\delta^{18}\text{O}$ record from conodont apatite across the Lower Silurian Ireviken Event in Estonia
12.00		A. Delabroye, M. Vecoli, J. Nölvak and A. Uutela: Biostratigraphic (graptolites, chitinozoans, acritarchs, brachiopods) and chemostratigraphic ($\delta^{13}\text{C}$) correlations between latest Ordovician strata in Laurentia and Baltica
12.20		D. Kaljo, R. Einasto and T. Martma: Ordovician - Silurian boundary beds at Neitla, North Estonia: sedimentological and carbon isotopic signatures of events, some consequences
12.40	Lunch (in hotel restaurant)	
13.40	Session 3 Convener T. Meidla	B. Kröger and T. Servais: The paleoecological dimension of the nautiloid diversification during the Ordovician in the context of the marine trophic web
14.00		T. Servais, O. Hints, B. Kröger, J. Nölvak, M. Vecoli and A. Wallin: The Great Ordovician Biodiversification Event: Linked to phytoplankton evolution or to asteroid impacts?
14.20		O. Lehnert, M. Calner, M. Joachimski, W. Buggisch and J. Nölvak: $\delta^{13}\text{C}$ record of the Upper Ordovician succession of the Borenshult-1 core (Motala, Sweden) and its intracontinental correlation
14.40		T. Ju. Tolmacheva, A.S. Alekseev and A.N. Reimers: Conodonts in kimberlite xenoliths from the Arkhangelsk region: key to stratigraphy of the lost Ordovician in northern Baltica
15.00		O. Tinn, T. Meidla, L. Ainsaar and T. Pani: Exceptionally preserved algal flora from the Silurian of Estonia
15.20	Coffee, tea and posters	

15.50	Session 4 Convener A. Dronov	M. Rubel, I. Sibul and V. Nestor: Stratigraphic correlation of the Baltic Silurian sections by implementing CONOP software
16.10		K. Shogenov and A. Shogenova: Correlation of Ordovician rocks by gamma ray logs and petrophysical data: case study from South Estonia
16.30		T. Kiipli and T. Kallaste: A new correlation tool: chemostratigraphy based on the sanidine composition of bentonites – recent achievements and future perspectives
16.50		R. Hints, K. Kirsimäe, P. Somelar, T. Kallaste, T. Kiipli: Multiphase Silurian bentonites from western Estonia: possible diagenetic pathwaysI.
17.10		I. Puura, E. Uibopuu, L. Lang and J. Nemliher: Examples of taphonomic alteration of shell structure and composition in lingulate brachiopods
17.30	Open discussion, IGCP 503 business meeting	
18.00	Departure for Conference Dinner	

Sunday, 18 May 2008

8.30	Session 5 (Devonian) Convener E. Lukševics	G. Stinkulis: Dolocretes in the Devonian deposits of Latvia
8.50		K. Tovmasyan and G. Stinkulis: Implications of fluvial, tidal and wave processes to the deposition of siliciclastic succession of Devonian, Andoma Hill, NW Russia
9.10		A. Ivanov: Viséan vertebrate assemblage of Moscow Syncline
9.30		A. Ivanov, E. Lukševics, I. Zupinš and J. Vasilkova: Devonian vertebrates from the Andoma Hill and correlation of sequences in western and eastern parts of the Main Devonian Field
9.50		E. Mark-Kurik: A Middle Devonian holonematid arthropod with unusual ornament from Estonia
10.10		J.E.A. Marshall, P. Plink-Björklund and E. Mark-Kurik: Recognising the Givetian Taghanic Event in the Devonian Baltic Basin and its importance as a high-resolution international correlation datum
10.30	Coffee, tea and posters	
11.00	Session 6 (Quaternary) Convener A. Raukas	A. Heinsalu, A. Poska and S. Veski: Lake ecosystem responses to Holocene environmental changes: two diatom-based high-resolution case studies from southern Estonia
11.20		L. Kalnina: Mire stratigraphy in Latvia
11.40		E. Liivrand: Succession of the stratigraphical units of the Upper Pleistocene in Estonia
12.00		L. Saarse, A. Heinsalu and S. Veski: Litorina Sea transgression based study on the ancient Vääna lagoon sediment sequence
12.20		S. Veski, L. Amon and A. Heinsalu: New data on Estonian Late-Glacial chronology and environment: evidence from lake Nakri, Southern Estonia
12.40	Lunch (in hotel restaurant)	
13.40	Session 7 Convener D. Kaljo	M. Reich, B. Lefebvre and M. Kutscher: Mitrates (Echinodermata: Stylophora) from the Silurian of Gotland, Sweden
14.00		A. Popp and H. Pärnaste: Distribution of proetid trilobites in Baltoscandia
14.20		O. Dolgov: Trilobite taxonomy of the Middle and Upper Ordovician of western Leningrad Region and Estonia
14.40		K. Kivioja and O. Tinn: Fossil ostracod fauna from the sediment intrusions at the Osmussaar Island
15.00		O. Hints, J. Li, P. Tang and K. Yan: Biogeography of Early Paleozoic scolecodont-bearing polychaetes: new data from South China and Tarim
15.20	Coffee, tea and posters	
15.50	Session 8 T. Koren	F. Rhebergen: Ordovician fluvial erratics from Baltica in The Netherlands and northern Germany
16.10		A. Suyarkova and T. Koren: Advances in graptolite biostratigraphy of the St. Petersburg area, Russia
16.30		A.V. Dronov: Mishina Gora section and its position on the Ordovician facies profile
16.50		O. Tinn, T. Meidla, L. Ainsaar and A. Dronov: Ordovician ostracods from the Mishina Gora section, Russia
17.10		A.V. Dronov, A.V. Kanygin and T.V. Gonta: New data on the Ordovician of the Irkutsk Basin
17.30	Assembly of the Baltic Stratigraphical Association and closing of the conference	
18.00	Departure for guided Old Town walking tour	

List of posters

1. A. Antoshkina: Middle Ludfordian sedimentary indication for climatic event on the north-east European Platform
2. T.M. Beznosova and V.Y. Lukin: Main Turns and Factors of Timan-Northern Ural Biota Transformation
3. G. Bickauskas and N. Molenaar: Nature of the so-called 'reefs' in the Pridolian carbonate system of the Silurian Baltic Basin
4. M. Calner and O. Lehnert: A first report on the Upper Ordovician stratigraphy of the Borensult-1 core, Motala, Sweden
5. S. Engalychev: Group of postglacial meteoric craters in the east the Moscow area (Russia)
6. D. Goldman, S.L. Klosterman, J. Nölvak, D.H. Sheets and G.C. Miller: Correlation of the Middle and Upper Ordovician rocks of Baltoscandia using CONOP9: preliminary results
7. M.T. Harris, L. Hints and J. Nölvak: Facies and Sequences of the Vormsi Stage of the East Baltic
8. G. Iskyul and A. Fedkovets: The key section of the Shundorovo Formation (the Idavere Regional Stage) in the western part of St. Petersburg Region: lithostratigraphy and sedimentology
9. T. Kallaste, T. Kiipli and A. Kleesment: Curious quartz forms in Ordovician bentonites
10. M. Killing, O. Hints, J. Nölvak, M. Vecoli and V. Viira: Microfossil dynamics and biostratigraphy in the Darrivilian "Building Limestone" of NW Estonia
11. A. Kleesment: Some lithological signatures of basin evolution in Baltic Devonian sequences
12. L. Lang and I. Puura: Systematic position, distribution and shell structure of the Devonian brachiopod *Bicarinatina bicarinata* Kutorga
13. E. Lukševics, R. Mikulaš, A. Ivanov and I. Zupinš: Devonian trace fossils from the Andoma Hill (Onega Lake, Russia)
14. A.A. Madison: Forming of the cardinal process in the ontogeny of some Middle Ordovician strophomenids from the Leningrad Region
15. V. Mastik and O. Tinn: Taphonomic experiments in ostracod research
16. V. Nestor: Expression of the Mulde Event in chitinozoan succession
17. J. Paškevičius, S. Radzevičius, V. Klimantavičius: Ludlowian (Silurian) graptolites from Milaiciai-103 well (West Lithuania)
18. K. Põldsaar and L. Ainsaar: Ordovician calcareous sandstone and gravellite erratic boulders from Hiiumaa: composition and origin
19. V. Puura, J. Kirs, V. Klein, M. Konsa, H. Koppelmaa, M. Niin, A. Soesoo and K. Urtson: The crystalline basement of Estonia: rock complexes of the Paleoproterozoic Orosirian and Statherian and Mesoproterozoic Calymmian Periods, and regional correlations
20. S. Radzevičius, T. Kiipli, T. Kallaste, V. Motuza and L. Jeppsson: Wenlock bentonites in Lithuania in the frame of graptolite stratigraphy
21. A.V. Sashchenko and A.V. Zaitsev: Composition of the Terrigenous Admixture in the Volkhov-Kunda Clayey Carbonate Deposits of the Eastern part Ladoga Glint
22. L. Sokolova: New data about Llandovery conodonts of the Subpolar Urals
23. V. Talimaa and T. Märss: Late Silurian tessellated heterostracans from the North Timan and East Baltic
24. O. Tinn, T. Meidla, L. Ainsaar and T. Pani: Exceptionally preserved algal flora from the Silurian of Estonia
25. V. Viira and A. Löfgren: Lower and Middle Ordovician conodonts from south-eastern Estonia and adjacent Pskov region of Russia
26. YAN Kui and LI Jun: The acritarch diversity changes and their significance in South China