

6th International Conference on Trilobites and their Relatives

To be held in Tallinn, Estonia from 7th - 10th July 2017

We are pleased to invite all specialists on trilobites and related arthropods to attend the 6th International Conference on Trilobites and their Relatives, to be held in Tallinn, the capital of Estonia from 7-10 July 2017.

Tallinn Old Town is an UNESCO World Heritage Site dating from the 13th century, when a castle was built there by the crusading knights of the Teutonic Order. It developed as a major centre of the Hanseatic League, and its wealth is demonstrated by the opulence of the public buildings and the domestic architecture of the merchants' houses, which have survived to a remarkable degree despite the ravages of fire and war in the intervening centuries. From July 2017, Estonia will hold the presidency of the EU Council. <http://estonia.eu/index.html>

The goal of the conference is to present and discuss recent progress in studies on all aspects of trilobites and their relatives (e.g. morphology, evolution, phylogeny, ecology, geography). The pre- and post-conference field trips will examine trilobite-bearing rocks from the lower Cambrian to upper Silurian.



Schedule

- 3rd July Arrival to Tallinn for Pre-conference excursion
- 4-7th July Pre-conference excursion East from Tallinn
- 7th July Registration and Icebreaker reception
- 8th, 10th July Scientific sessions
- 9th July Intra-conference excursion near Tallinn
- 9th July Conference Dinner
- 11-15th July Post-conference excursion West from Tallinn

Conference 7th - 10th July 2017

The Conference, including registration and Icebreaker party of the first day, and scientific sessions on following days will be held in the Gustav Adolf Gymnasium in Old Town (Suur-Kloostri 16, Tallinn). This establishment was first started as a grammar school, the *Gymnasium Revaliense* in 1631. Famous palaeontologists such as, Friedrich Schmidt, Armin Öpik, Valdar Jaanusson and Harry Mutvei studied here.



The **Icebreaker reception** is a good chance to wonder around in this very old building where our famous predecessors were getting their lessons and sharing their first excitement on collecting trilobites while growing up. We will get our first lesson on Estonian cuisine from 18:30 to 20:30 of 7th July. Don't miss it!

The **Conference** will follow the tradition to have two full days of scientific sessions on 8th and 10th of July and a field session in between on 9th of July. Accompanying persons are invited to enjoy a parallel program set to learn about history and culture of Estonia. Sessions as well as tourism program will start at 09:00 on all days and will have a lunch break to gather around the same table in restaurant Trofé in five minutes walk.

Preliminary set of Sessions

- Early evolution of arthropods (anatomy, eyes)
- Lagerstätten, the exceptional preservation
- Cambrian trilobites
- IGCP653 session - GOBE (and biostratigraphy, biofacies, ecology)
- Morphometrics
- Devonian or later trilobites
- Functional morphology (articulation, enrollment)
- other Arthropods
- Treatise, systematics, phylogeny, ontogeny
- Collections and databases

Abstract submission

All participants are invited to submit abstracts for posters and oral presentations. Authors are responsible for the scientific content of their abstracts. The abstracts will be limited to one A4 page (single-spaced, 12 pt serif font, 2.5 cm margins). Illustrations cannot be accepted. The text should be written in English and submitted by e-mail to TriloCo2017@gmail.com with the Subject titled as 'Abstract - your name'. The Scientific Committee will review all abstracts and reserves the right to accept or refuse any submission. Authors will be informed by email regarding abstract acceptance following the abstract submission deadline. The abstract volume will be distributed at the conference.

Oral presentations will be limited to 15 minutes talks plus 5 minutes for questions and changeover. Only the Keynote speakers will have more time. Slides should be prepared in MS PowerPoint (.ppt, .pptx), Portable Document Format (.pdf) or OpenDocument Presentation (.odp) formats and delivered to the organisers during registration on 7th and 8th of July. Posters will be in portrait format only, at a maximum size of A0. **The posters** are going to be set up before the morning session of the first day, 8th of July. They will be displayed throughout the conference.



Above the participants are gathered in front of the ruins of the Tartu Cathedral which was renovated partly to house the University Library at that time. People standing are (from left): Kuznetsov, Ph. Lake, J. Wysogorski, Fr.v. Huene, C. Gagel, A. Mickwitz, Rosenberg, J.P.J. Ravn (M. Ravn - Copenhagen), E. Stolley, unknown 1, unknown 2, F.Yu. Levinson-Lessing. People sitting are: N. Andrussov, A. Rothpletz, J. Lemberg, H.G. Suley, Fr. Schmidt, A. Remel  , L. T  rnquist, A. Andr  , Dr. G. Holm, F. Gebauer, W. Deecke, C. Gottsche, and on ground are laying F.A. Bather, Bamberg, unknown 3, (candidates for unknown persons: prof Felix, prof Hughes, prof Seeley, prof Malaise and colonel Schewyrew).

Trilobite field trips will follow in the footsteps of Carl Friedrich Schmidt (1832-1908) who, in 1897, guided in Estonia, one of the field excursions organised for the International Geological Congress held in St. Petersburg.

Pre-conference field trip:

4th - 7th July

The trip eastward of Tallinn will take us to the Lower Cambrian outcrop with one of the earliest trilobite faunas of the World, and to several localities through the Ordovician succession to examine the trilobite associations in highly stratified near-shore limestones of the temperate climate, the extremely diverse fauna in organic rich oil-shale and those occurring in the End Ordovician reef sediments. (Saviranna cliff, Maardu quarry, J  gala waterfall, Lontova quarry, Kunda Ubja quarry, Aluvere quarry, Valaste waterfall, Narva quarry, Porkuni quarry, Karinu quarry)



We will visit Kunda, the hometown of Armin   pik (1898-1983) and the Tartu University buildings (including the Natural History Museum and the trilobite exhibition), where he worked before the war forced him to leave for Australia. We will face Russia on the river banks of the border town Narva and visit the Narva Castle, and see the small convent in Kurem  e in addition to the modern mining museum in Kohtla-N  mme. We will stretch our legs in one of the points of Struve's Geodetic Arc near the V  ivere windmill on our way back to Tallinn for the Ice-breaker.



Post-conference field trip:

11th - 15th July

The trip westward of Tallinn will take us to the Upper Ordovician and Silurian localities on the mainland, also the popular tourist islands of Hiiumaa, Saaremaa and Muhumaa. Here we will study differences between trilobite associations of the late Ordovician and early Silurian reefs and see poorly recovered low diverse trilobite fauna of various facies types. With luck, some may also collect specimens of eurypterids.

(Vasalemma quarry, Keibu Ristna beach, Paluküla quarry, Hilliste quarry, Sarve beach, Paramaja and Jaani beach, Pulli cliff, Tagavere quarry, Kogula quarry, Viita trench, Soeginina or Katri cliff, Kaugatoma cliff, Ohessaare cliff, Kudjape).

We shall also visit three important impact craters of Neugrund, Kärđla and Kaali. On Hiiumaa we will stop to see the manor house of Suuremõisa, where Schmidt and his companions were honoured in 1897, while on Saaremaa, the medieval castle of Kuressaare can be examined together with the birth place of the great explorer Fabian Gottlieb Thaddeus von Bellingshausen (1778-1852).

Programme for the accompanying persons:

We are lucky to host you on Tallinn Medieval Days which is considered one of the most important annual events of the Estonian Folk Art and Craft Union. A large medieval market will be set up in the Town Hall Square with merchants and workshops. Musicians and dancers from near and far will take the stage. A medieval procession will open the event followed by various workshops, excursions and theatre performances. You could just take a role in this play and disappear into Medieval time. Hopefully your empty stomach will bring you back to the conference crew to enjoy the lunch together in a nice restaurant.

However, you may wish to participate in the following:

8th July

the morning tour in Kadriorg Park established by Russian tsar Peter I that is recently reconstructed to fit with the original magnificent prospect continues in the Art Museum KUMU which is the largest and most impressive exhibition venue in Estonia.

the afternoon tour in medieval fortification tower Kiek in de Kök (Germ. "peek in the kitchen") and in St. Nicholas Church with optional Sunday's concert series Half an Hour with Organ Music.

10th July

the morning tour around the magnificent Old Town, visiting also the Town Hall (built in 1402-1404) – the only intact Gothic town hall in Northern Europe which is used mainly for concerts or for entertaining visiting kings or presidents. An other exceptional building is the Raeapteek - the oldest pharmacy in Europe that has continuously been in business in the same building. Anno Domini 1422.

after lunch the optional visit to a small KGB Museum in Viru Hotel or enjoying the Medieval Days or shopping.

The **conference field session** will include the Cambrian trace fossils in Rocca al Mare Open Air Museum and the Ordovician trilobite distribution in Paldiski and Suhkrumägi Cliffs adjacent to the venue where the Tallinn Song Festival is held. The Estonian Open Air Museum is showcasing the country's rural architecture and way of life in the 18th, 19th and 20th centuries. We are going to enjoy a small walking tour just after the traditional country style lunch in the Kolu Tavern and some of you may like to buy some Estonian handicrafts available in the Museum shop.

Conference Dinner will be served in authentic medieval style restaurant Olde Hansa at 7pm on 9th of July. They offer a feast that is a true and plentiful medieval meal where all dishes that are written down are carried to the table, so that all guests will have more than enough. Everyone can eat what one prefers, and when a dish runs out, more is always brought. First drinks are included to the price 55€. Your specific dietary requirements sent us with the registration form will be passed to the chef.

Important! Please visit the conference website to fill the registration form!

<http://trilobite-conference.com/conference/registration>

Conference registration fee is calculated to include more services compared to that of the 1st circular. In addition to the coverage of formal registration, conference bag, abstract volume, coffee breaks, Intra-conference excursion, Icebreaker reception the three lunches in restaurant closest to the conference venue are included. The early-bird rates are available until **1st April 2017**. Then the rates for all groups will **rise 50€** per person.

The Conference Dinner with musical entertainment in the Old Town on 9th July will cost 55€.

The Pre-conference excursion has the increased cost due to additional accommodation in Tallinn on a night before the trip to ensure early leaving on the morning of 4th July. The cost of the Post-conference excursion has been reduce leaving trip to the Vormsi island out.

Conference fee	Regular fee	Retirees	PhD students/ accomp. persons
covers formal registration, conference bag, abstract volume, coffee breaks, mid-conference excursion, Ice-breaker,	280 €	230 €	180 €
Conference Dinner	55€	55€	55 €
Pre-conference excursion: includes 4 nights accommodation field lunches, museum tickets	400 €	400 €	400 €
Post-conference excursion includes 4 nights accommodation field lunches, museum tickets	500 €	500 €	500 €

Financial support

There will be a small amount of financial assistant available for students from behalf of IGCP 653 Project and some private backers. Please contact to express your interest until 1st March!

Payment by bank transfer

Bank transfer is currently the preferred option for payments. Please use the following:

Beneficiary: Kivion MTÜ

Beneficiary bank: AS LHV Pank

SWIFT/BIC code: LHVBE22

International bank account number (IBAN): EE737700771002344310

Please indicate the keyword **‘TriloCo2017’ & names of the participant(s)** in the payment description and ensure that the payment will be without charges to beneficiary.

Cancellation Refunds of 50% of the conference and excursion fees will be paid if the cancellation is received before 31st May, 2017. No refunds are possible after this date.



Travel information

Estonia is a small country in Northern Europe by the Baltic Sea. Its area is only about 45 thousand square kilometres and the population about 1.3 million. The Republic of Estonia was established 99 years ago in 1918 <https://ev100.ee/en>. Since 2004 Estonia is a member of the European Union <http://estonia.eu/index.html>.

Tallinn, the capital of Estonia, is located in the northern part of the country on the coast of the Baltic Sea. Across the Gulf of Finland, 87 km north is Helsinki, 314 km to south is Riga, the capital of Latvia. These are the two cities you may consider as transfer points when travelling to Tallinn

Please, check out if you need visa for Estonia <http://www.vm.ee/en/taxonomy/term/41>, and let us know immediately if you need an official invitation for visa.

Travel

Tallinn's Lennart Meri International Airport is located on the edge of Tallinn about 4 km from the Old Town. (Yes, only 4! Still, we recommend to take a taxi). The most frequent flights to Tallinn service from Helsinki Airport (Finland) and Riga Airport, others are Stockholm Arlanda, Copenhagen Kastrup and Frankfurt at Main International. For the list of the airlines operating flights from Tallinn Airport check here: <http://www.tallinn-airport.ee/en/flight-info/airlines-at-tallinn-airport/> and the direct destinations are listed here <http://www.tallinn-airport.ee/en/flight-info/destinations/>.

Optional trip can be arranged for adventurers or those who wish to visit the Natural History Museum and the city in neighbouring countries. There are much more airlines operating flights in Riga <http://www.riga-airport.com/en/main/flights/route-network> and Helsinki airports. You may consider checking the available flights over there in case of missing good options. It is relatively easy to travel from Riga with very comfortable Luxexpress <https://luxexpress.eu/en> or take a ferry from Helsinki http://www.ts.ee/passenger_ship_schedule.php. However, you need additional time for the connection in city.

Note! Estonia is in the Eastern European Time Zone (EET): GMT +2 hours.

BTW! Fans of the music festivals - here is an option to join our next nation-wide song and dance celebration – the 12th Youth Song and Dance Celebration before the Pre-conference field excursion from 30th June to 2nd July 2017 <http://2017.laulupidu.ee/en/>.

Accommodation

The organising committee is glad to offer suggestions for accommodation booking during your stay in Tallinn. We have pre-booked sufficient number of rooms in following hotels and hostels:

Tallink Express Hotel	https://www.tallinkhotels.com/tallink-express-hotel
Rixwell Old Town Hotel	http://www.rixwell.com/en/rixwell-old-town-hotel
Old House Hostel	http://www.oldhouse.ee/tallinn-hostel
Tabinoya Traveller's House	http://www.tabinoya.com

<u>rooms per 4 nights</u>	<u>Single room</u>	<u>Twin</u>	<u>Double</u>	<u>Triple</u>	<u>4 bed room</u>
Tallink Express Hotel**	320 €	320 €			
Rixwell Old Town Hotel***	210 €	240 €	240 €		
Old House Hostel	136 €	168 €	208 €		
Tabinoya Traveller's House		200 €		228 €	304 €.....

Please note that availability of rooms and special prices are available until 31st of March!

Please contact helje.linden@gmail.com to get further information on reservation numbers and special discount. Please mark 'Accommodation - your name' in Subject area of the e-mail.

Important dates

1st March Deadline for financial assistance applications

1st April Deadline for early bird registration and payment of registration and excursion fees

1st April Deadline for abstract submission

1st May Final circular

Organizing and Scientific Committee

Dr Helje Pärnaste (Chair)

MSc Ethel Tamm (Secretary) - Estonian Museum of Natural History, Estonia

MSc Mare Isakar - Natural History Museum, University of Tartu, Estonia

Professor Jonathan Adrain - The University of Iowa, USA

Professor Per Ahlberg - Lund University, Sweden

Professor Em. David L. Bruton - Natural History Museum, Oslo University, Norway

Dr Catherine Crônier - The Lille University of Science and Technology, France

Dr Jan Ove R. Ebbestad - Uppsala University, Sweden

Dr Jorge Esteve - Complutense University of Madrid, Spain

Professor James Lamshed - West Virginia University, USA

Dr Lucy M. E. McCobb - National Museum Wales, UK

Dr Javier Ortega-Hernández - University of Cambridge, UK

Dr Alan Owen - University of Glasgow, UK

Dr Anna Żylińska - University of Warsaw, Poland

NB! Visit us:

<http://trilobite-conference.com/>



For the organisers Dr. Helje Pärnaste



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