

**EUROPROBE Neoproterozoic-Early
Palaeozoic Time-Slice Symposium:
Orogeny and Cratonic Response on the
Margins of Baltica**

**JOINT MEETING OF EUROPROBE TESZ,
TIMPEBAR, URALIDES & SW-IBERIA
PROJECTS**

30 September - 2 October 2001

PROGRAMME

**Middle East Technical University
(METU)
Ankara – Turkey**

30 September, Sunday

Morning Sessions

REGISTRATION 08.30–09.30

OPENING CEREMONY 09.30–10.30

David G. Gee : EUROPROBE Programme
Timothy Pharaoh : TESZ Project

COFFEE BREAK 15.40–16.00

Regional Tectonic Context

Chair: Timothy Pharaoh

11.00–11.20	Cestmir Tomek: Tectonic Evolution of the Carpathian Arc, the Dinarides and the Balkanides in Cretaceous and Cenozoic Times
11.20–11.40	Karel Schulmann, Jaroslava Plomerová, Jean-Bernard Edel & Vladimír Babuška: On Variscan Orogeny in Central Europe: Strength Evolution of Orogen Through Time
11.40–12.00	Alexander Guterch, Marek Grad, G. Randy Keller, Karoly Posgay, Jozef Vozar, Ales Spicak, Ewald Brueckl, Zoltan Hajnal, Hans Thybo, Oğuz Selvi & CELEBRATION 2000 Working Group: The CELEBRATION 2000 Seismic Experiment in Central Europe
12.00–12.20	John A. Winchester & THE PACE TMR NETWORK TEAM: The Nature of the East European Craton Margin Along the Trans-European Suture Zone: A Review of Evidence from the PACE Network Multidisciplinary Studies in Central Europe
12.00–12.40	Aral İ. Okay: Palaeotectonic Framework of Western Turkey

LUNCH 12.40–14.00

30 September, Sunday Afternoon Sessions

TESZ Margin of Baltica – Neoproterozoic to Early Palaeozoic

Chair: John A. Winchester

14.00–14.20	Andrzej Zelazniewicz, Marek Grad & Aleksander Guterch: Late Proterozoic through Early Palaeozoic Crustal Additions at the Teisseyre-Tornquist Margin of Baltica: Geological and Geophysical Data from Poland
14.20–14.40	Nonna Bakun-Czubarow, Anna Bialowolska & Yuriy Fedoryshyn: Neoproterozoic III Flood Basalts of the Volcanogenic Volhynian Series (Western Margin of the East European Craton)
14.40–15.00	Antoneta Seghedi, Gheorghe Oaie, Magdalena Iordan & Marioara Vaida: Correlation of the Vendian Basins along the Southern Margin of Baltica
15.00–15.20	Andrzej Zelazniewicz, Antoneta Seghedi, Monika Jachowicz, Wojciech Bobinski, Zbigniew Bula & Stefan Cwojdzinski: U-Pb SHRIMP Data Confirm the Presence of a Vendian Foreland Flysch Basin Next to the East European Craton
15.20–15.40	Antoneta Seghedi, Tudor Berza, Marcel Maruntiu, Viorica Iancu & Gheorghe Oaie: Late Proterozoic–Early Palaeozoic Terranes in the Area of Moesia and Surrounding Orogenic Belts
COFFEE BREAK 15.40–16.00	
16.00–16.20	Pawel Poprawa & Jolanta Paczesna: Subsidence History and Facies Development of Sedimentary Basins at the SW Slope of Baltica – Record of the Late Neoproterozoic to Early Cambrian Break-up of Super-continent Rodinia
16.20–16.40	Saulius Sliupa & Andrey Ershov: Cambrian Subsidence of the Baltic Basin: A Record of Rifting and Establishment of the Passive Continental Margin in the NW Baltica
16.40–17.00	Marek Lewandowski & Niels Abrahamsen: Palaeomagnetic Results from Cambrian Sediments in Bornholm (Denmark) and Southern Sweden and Palaeogeographical Implications for Baltica
17.00–17.20	Irina M. Artemieva: The Transition from the Precambrian to the Palaeozoic Europe from Thermal and Seismic Data
17.20–17.40	Jacques Verniers, Timothy Pharaoh, Luc André, Timothy Debacker, Walter De Vos, Michel Everaerts, Alain Herbosch, Joakim Samuelsson, Manuel Sintubin & Marco Vecoli: The Cambrian to Mid Devonian history of Eastern Avalonia, East of the Midlands Microcraton

17.40–19.00 POSTERS

19.00 Ice-breaker Party

POSTERS

Yulia I. Pystina: Three Main Stages in Precambrian Metamorphic Evolution in the Uralian Segment of the Lithosphere

Saulius Sliupa & Vytautas Puronas: Integrated modelling of the Baltic basin with emphasis to evolution of the Cambrian Petroleum Reservoir

Vykintas Motuaz, Saulius Sliupa & Evlampijus Laskovas: Evolution of Caledonian Volcanic Activity Derived from Geochemical Signatures of Ordovician-Silurian Metabentonites of the Baltic Region

Pawel Poprawa & Jolanta Paczesna: The Late Ordovician to Late Silurian Flexural Bending of the SW Edge of Baltica (Lublin-Podlasie Basin)

T. McCann, A. Saintot, F. Chalot-Prat, A. Alekseev, A. Brem, P. Fokin, A. Kitchka & EUROPROBE-INTAS TEAM: Evolution of the southern margin of the Donbas (Ukraine) from Devonian to Early Carboniferous times

Ryszard Kryza, Jan Zalasiewicz, Richard J. Merriman & Alan S. Collins: Mudrock Fabrics and Mineralogy - Clues to Evolving Conditions within the Variscan Accretionary Prism: Kaczawa Mountains, SW Poland

Olga K. Bogolepova & Alexander P. Gubanov: Silurian of Severnaya Zemlya, Russia: Faunal Relationships and Palaeogeographic Implications

Jacek Majorowicz, Marta Wróblewska, Jan Szewczyk & Piotr Krzywiec: Heat Flow Models Across The Trans-european Suture Zone in the Area of the POLONAISE' 97 International Seismic Experiment

Abdurrahman Dokuz & Salim Genç: Metamorphic Evolution of Paleozoic Karadağ Metamorphics from Yusufeli (Artvin), Eastern Pontides: Petrographic, Textural and Geothermobarometric Evidence

Yuri Ronkin, Stanislav Chervayakovsky , Elena Volchek & Olga Lepikhina: U-Pb and Sm-Nd Dating of Neoproterozoic Malopatoksky Granitoids: The Cis-Polar Urals

Yuri Ronkin & Olga Lepikhina: Neoproterozoic Subalkaline Magmatism of Western Slope of the Urals: Isotopic Constraints

Jerzy Nawrocki, Z. Bula, J. Grabowski, R. Habryn, M. Jachowicz, M. Jarosinski, W. Jozwiak, P. Krzywiec, P. Poprawa, A. Zylinska: Early Palaeozoic Palaeogeography of the Upper Silesian Terrane (S Poland)

Vaclav Cerv & Laust Pedersen & Tomek Ernst: EMTESZ – Electromagnetic Probing of the Trans European Suture Zone

01 October, Monday

Morning Sessions

Neoproterozoic-Palaeozoic Evolution of the TESZ

Chair: Karel Schulmann

09.00–09.20	Jaromir Leichmann & Volker Höck: The Brunovistulicum: A Gondwana Derived Terrain Accreted to Baltica
09.20–09.40	Gertrude Friedl, Fritz, Albrecht von Quadt, Neal J. McNaughton & Ian R. Fletcher: Results of Conventional and SHRIMP U-Pb Zircon Dating in the South-eastern Bohemian Massif (Austria, Czech Republic): Implications for a Delineation of Different Peri-Gondwana Terranes in Variscan Central Europe
09.40–10.00	Quentin G. Crowley , František Patočka, Randy, P. Parrish: The Ancestry and Affinity of Central Europe: New U-Pb (LA-PIMMS) Ages of Inherited Zircons From Early Palaeozoic Granitoids of the W Sudetes, NE Bohemian Massif
10.00–10.20	Pavla Štípska, Karel Schulmann, Alfred Kröner & J. Jezek: Petrological, Geochronological and Structural Arguments for a Late Cambrian Rifting Preserved within a Variscan Orogen: NE Margin of the Bohemian Massif

COFFEE BREAK 15.20–15.50

Geophysical Studies of the Baltica Margins

Chair: Alexander Guterch

10.50–11.10	Timothy Pharaoh, Paul Williamson , Geoff Kimbell, Dirk Banka & TESZ PROJECT POTENTIAL FIELD CORE GROUP: Potential Field Imaging of Neoproterozoic-Palaeozoic Orogenic Structure in Central and Eastern Europe
11.10–11.30	Alexander Guterch: Seismic Structure of the Lithosphere in the Central Part of the Trans-European Suture Zone in Poland: Summary of Results of the POLONAISE'97 Experiment
11.30–11.50	Stanislaw Mazur, Pawel Aleksandrowski, Marek Grad & Aleksander Guterch: Major Strike-Slip Faults in the Deep Basement of the Palaeozoic Platform in Central and Western Poland
11.50–12.10	T. McCann & C.M. Krawczyk: The Nature of the Variscan Deformation Front in NE Germany
12.10–12.30	Werner Fielitz, Franz Hauser, Victor Raileanu, Andrei Bala, Claus Prodehl & Gabriela Polonic: Vrancea 99 - A Refraction Seismic Cross Section Through the Upper Lithosphere of the Southeastern Carpathians and the Moesian Platform in Proximity to the Transeuropean Suture Zone in Romania

LUNCH 12.30–14.00

01 October, Monday

Afternoon Sessions

Geophysical Studies of the Baltica Margins

Chair: Alexander Guterch

14.00–14.20	Dumitru Ioane: Deep Traces of TESZ in SE Europe Revealed by Geophysical and Geodetic Data
14.20–14.40	Maria Stănică & Dumitru Stănică: The Deep Structure along the TESZ on the Romanian Territory, Revealed by Electromagnetic Data
14.40–15.00	Dumitru Stănică & Maria Stănică: Is There an Interplay Between the Trans–European Suture Zone (TESZ) and the Seismo–Active Vrancea Zone?
15.00–15.20	

COFFEE BREAK 15.20–15.50

Neoproterozoic-Palaeozoic Evolution of Pontides & Dinarides

Chair: Ali Koçyiğit

15.50–16.10	Alastair H.F. Robertson, Timur Ustaömer & Theo Andrew: The North Anatolide (Gondwana) Palaeozoic Continental Margin: Active or Passive?
16.10–16.30	M. Cemal Göncüoğlu: From Where Did The NW Anatolian Palaeozoic Terranes Actually Drive: A Comparative Study of Palaeozoic Successions
16.30–16.50	Erdinç Yiğitbaş, Robert Kerrich, Yücel Yılmaz, Qianli Xia & Ali Elmas: Pre-Cambrian ophiolites in the basement of İstanbul-Zonguldak unit (NW Turkey) and its tectonic significance
16.50–17.10	M. Cemal Göncüoğlu, Necati Turhan & Yakut Göncüoğlu: Vestiges of Late Paleozoic (“Variscan”) Events within the Tauride-Anatolide Belt, Turkey: Implications for the Paleo-Tethyan Evolution in NW Peri-Gondwana
17.10–17.30	Gültekin TOPUZ, Rainer ALTHERR, Muharrem SATIR, Winfried SCHWARZ & Burhan SADIKLAR: P-T Path and Cooling History of High-Grade Gneisses from the Pulur Massif (Eastern Pontides, NE Turkey)
17.50–18.10	Ivan Haydoutov, Kristina Kolcheva, Lilan Daieva & Ivan Savov: Island-Arc Origin of the Variegated Formations from the East Rhodopes (Avren Synform and Bela Reka Antiform), Bulgaria

Beer Party 18.30 – 20.00

Turkish Folk Dance Show 20.00

02 October, Tuesday

Morning Sessions

NE Baltica

Chair: L. Robin M. Cocks

09.00–09.20	David G. Gee: Overview of the Timanide Orogen along the Eastern Margin of the East European Craton
09.20–09.40	Vladimir N. Puchkov: Preuralides/Timanides and the Problem of the Late Vendian Supercontinent
09.40–10.00	Anna Siedlecka, David Roberts & Johan Petter Nystuen: Neoproterozoic – Early Palaeozoic Basin Evolution and Tectonics Along the Northern and Western Margins of Baltica
10.00–10.20	Sergey L. Kostyuchenko & Anatoly V. Egorkin: Deep Structure and Evolution of the Earth Crust of Northeastern Margin of the Continent Baltica in Neoproterozoic-Early Palaeozoic Time in Russia
COFFEE BREAK 10.20–10.50	
10.50–11.10	Victoria Pease, Elena Dovshikova & Dimitry Remisov: Vendian Accretionary Terranes of the NE European Craton
11.10–11.30	Johannes Glodny, Victoria L. Pease, Pilar Montero, Håkon Austrheim & Anatolij Rusin: Protolith Ages of Eclogites, Marun-Keu Complex, Polar Urals, Russia: Implications for the Pre- and Early Uralian Evolution of the NE European Continental Margin
11.30–11.50	Henning Lorenz, Alexander M. Pystin, Vsevolod G. Olovyanishnikov & David G. Gee: Neoproterozoic High Grade Metamorphism in the Timanides of the Kanin Peninsula
11.50–12.10	Alexander M. Pystin: Metamorphism of Precambrian Formations in the Timan and Northern Urals
12.10–12.30	M. A. Shishkin, N.V. Lapshin & L.T. Belyakova: Neoproterozoic Ophiolites of the Polar Urals and in the Basement of the Pechora Basin
LUNCH 12.30–14.00	

02 October, Tuesday

Afternoon Sessions

TIMPEBAR system

Chair: Anna Siedlecka

14.00–14.20	L. Robin M. Cocks: The Distribution and Provincialisation of Arctic Faunas in the Lower Palaeozoic
14.20–14.40	Malgorzata Moczydlowska-Vidal & L. Popov: Upper Cambrian-Ordovician Successions Overlying Timanian Complexes: New Evidence from the Kolguev Island, Arctic Russia
14.40–15.00	Per-Gunnar Andréasson & Charlotte Möller: The Neoproterozoic–Cambrian Evolution of Scandinavia
15.00–15.20	Emma F. Rehnström, Trond H. Torsvik & Fernando Corfu: Neoproterozoic Collisional Activity at the Northern Baltica Margin and the Palaeogeographic Aftermath
COFFEE BREAK 15.20–15.50	

Discussion Session

Chairs: David G. Gee & Timothy Pharaoh

15.50–17.30	Discussion Session
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Barbeque Party 18.30