

1st Asian Conference of Thermochronology (ACT)

Karadeniz Technical University Faculty of Engineering Conference Hall, Trabzon/Türkiye
August 26-28, 2026

Short Courses by
Raymond Donelick
Pieter Vermeesch

Sponsored by



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TMMOB Jeoloji Mühendisleri Odası
Trabzon Şubesi

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Eleonora Balkanska, Ling Chung, Murat Tamer, Olga Yakubovic,
Roman Veselovskiy, Shigeru Sueoka, Yuntao Tian

Organizing Committee

Cüneyt Şen, Murat Tamer, Fatih Köroğlu,
Orhan Karslı, Ozan Sinoplu

Day 1, August 26, 2026

Time	Title	Presenter
9:00-9:15	Welcome Talk	Cüneyt Şen
9:15-9:45	ACT 2026	Shigeru Sueoka
9:45-10:15	Thermal Evolution of the Eastern Voronezh Crystalline Massif, East European Platform, Russia: First Apatite Fission-Track Data <i>(Invited)</i>	Roman Veselovskiy
10:15-10:45	Exhumation history of the eastern part of the Aldan Shield (Far East Russia) based on the results of the (U,Th)-He dating of apatite	Lidia Sokolova
10:45-11:15	Coffee Break – Poster Session	
11:15-11:45	Mesozoic-Cenozoic Tectono-Thermal Evolution of the South-Western Uguy Graben (Aldan Shield, Russia) Based on Apatite and Zircon Fission-Track Thermochronology	Alvina Chistyakova
11:45-12:15	Spatially variable exhumation of the Northern Okhotsk active margin revealed by apatite thermochronology	Lida Kasatkina
12:15-14:00	Lunch	
14:00-14:30	First Apatite Fission-Track Thermochronology Results for Mesoproterozoic and Permo-Triassic Intrusions of the Northern Siberian Platform, Russia	Tanya Bagdasaryan
14:30-15:00	The Early Carboniferous Volcanic Complexes of the Southern Urals: Constraints from Geochemistry, Isotope Systematics, and Thermal Evolution	Natalia Pravikova
15:00 – 15:30	Late Cretaceous-Cenozoic Exhumation of the Verkhoyansk Fold-and-Thrust Belt: Apatite Fission-Track and Thermokinematic Constraints <i>(Invited)</i>	Anna Shalamova
15:30-16:00	Coffee Break – Poster Session	
16:00-16:30	Alpine thermal evolution of the central parts of Sredna Gora Zone, Bulgaria <i>(Invited)</i>	Eleonora Balkanska
16:30-17:00	Preliminary Geo- and Thermochronological Constraints on the Exhumation History of the Northern Central Cordillera Mountain Range, Luzon, Philippines	Clod Anne Punzalan
17:00-18:00	Short course: Fission Track Age of Apatite Using a Comprehensive Zeta Factor	Raymond Donelick
18:00	Dinner (Sponsored by Apatite.com Partners, LCC and Jeokron)	

Day 2, August 27, 2026

Time	Title	Presenter
9:00-9:30	Radiation Damage, Chemical Zoning, and Helium Diffusion in Monazite: Towards Routine (U-Th)/(He-Pb) Double Dating	Ozan Sinoplu
9:30-10:00	A Manufactured Zeta Calibration Standard for Apatite Fission Track Age Dating (<i>Invited</i>)	Raymond Donelick
10:00-10:30	Artificial Intelligence vs. Artificial Perfection: Bypassing the Anthropogenic Filter in Modern Thermochronology	Murat Tamer
10:30-11:00	Coffee Break – Poster Session	
11:00-11:30	Revisiting Zeta Calibration in Apatite Fission-Track Dating Through Measurable Physical Parameters	Semih Gildir
11:30-12:30	Short course: Statistics for Thermochronology	Pieter Vermeesch
12:30-14:00	Lunch	
14:00-14:30	Diachronous, west-to-east exhumation of the Eastern Pontides (NE Türkiye) revealed by apatite and zircon (U–Th)/He and apatite fission-track thermochronology	Fatih Karaoglan
14:30-15:00	Tectono-Thermal Evolution and Preservation Mechanisms of the Gedabek Gold Deposit (Azerbaijan): A Low-Temperature Thermochronology Approach	Samaya Hasanova
15:00-15:30	Unraveling the Post-Orogenic Exhumation History of the Kaçkar Mountains, Eastern Sakarya Zone: Insights from Low-Temperature Thermochronology	Orhan Karsli
15:30-16:00	Coffee Break – Poster Session	
16:00-16:30	Timing and Formation Characteristics of Çorak (Artvin, NE Türkiye) Epi-Mesothermal Gold Deposit (<i>Invited</i>)	Emin Çiftçi
16:30-17:00	Petrogenesis and Exhumation of the Eocene Horoz Pluton (Central Türkiye): Insights from Zircon-Apatite Geochronology and Mineral Chemistry	Fatma Şişman Tükel
17:00-17:30	Zircon U–Pb constraints on Middle Eocene volcanism and Kirazlıyayla Pb–Zn mineralization at NW Türkiye	Farhad Javid
17:30-18:00	Thermochronology of mountains in the Japanese Islands: Understanding mountain building mechanisms in volcanic arcs and developing new methodologies (<i>Invited</i>)	Shigeru Sueoka
18:30	Dinner (Sponsored by Apatite.com Partners, LCC and Jeokron)	

Poster Presentations

Poster Number	Title	Presenter
1	Low-Temperature Thermochronology of Precambrian Intrusions in the Southeastern Fennoscandian Shield (Karelia, Russia)	Daria Krevsun
2	Alphachron helium measurement system for (U-Th)/He dating at Tono Geoscience Center and example applications	Saki Minami
3	Multi-system isotopic dating of Sviatonossites (garnet syenites) of the Svyatoi Nos Peninsula, Paleozoic framing of the southern Siberian Craton	Egor Gladkochub
4	Fission-track laboratory at Tono Geoscience Center, JAEA: Facility overview and outlook for ongoing research	Shoma Fukuda
5	The Collisional Processes Between the Northeast Shoulder of the Arabian Platform and Eastern Taurides: Evidence from Low-Temperature Thermochronology	Semih Gildir

Day 3, August 28, 2026

On the third day, participants will visit the Sümela Monastery and Çal Cave to explore the unique geological landscape and rich cultural heritage of Trabzon. This special excursion will be conducted under the expert guidance of Cüneyt Şen.

Sümela Monastery



<https://turkishstones.org/sumela-monastery-a-masterpiece-carved-from-natures-stone/>

Çal Cave



<https://kureansiklopedi.com/en/detay/cal-cave-86d9f>