

## 2<sup>nd</sup> TRIGGER International Conference

TEHRAN 2018 | NOV. 12-16



### Day-by-Day Program of the 2<sup>nd</sup> International TRIGGER Conference, 12-14 November. 2018

**Venue:** Deheshvar Conference Hall, School of Geology, College of Science, Main Campus of the University of Tehran

Monday 12th Nov.		
<b>Opening Ceremony and Welcoming Speech</b>	8:00 – 8:45	<b>Registration</b>
	8:45 - 10:45	Iranian Coordinator (Dr. Jafar Omrani), French Coordinator (Prof. Philippe Agard), Conference chair (Dr. Soroush Modabberi), Minister of Industry, Mines & Trade (Dr. Reza Rahmani), Vice-Minister and Head of the Geological Survey of Iran (Mrs. Dr. Razieh Lak), Member of the parliament (Prof. Dariush Esmaeily), French Embassy,
	<b>10:45 - 11:15</b>	<b>Tea Break</b>
<b>Introductory Lectures</b>	11:15 - 11:30	Hamid Nazari (Geological Survey of Iran) Earthquake prediction, from dream to reality!
	11:30 - 12:00	Mohammad Foroutan (University of Tehran) Paleoseismic behavior of slow-slipping intracontinental strike-slip faults ( <b>Keynote Lecture</b> )
	12:00 - 12:30	Eric Barrier (Sorbonne University) Tectonic-stratigraphic Evolution of the Iranian domain since the Late Permian ( <b>Keynote Lecture</b> )

2<sup>nd</sup> TRIGGER International Conference

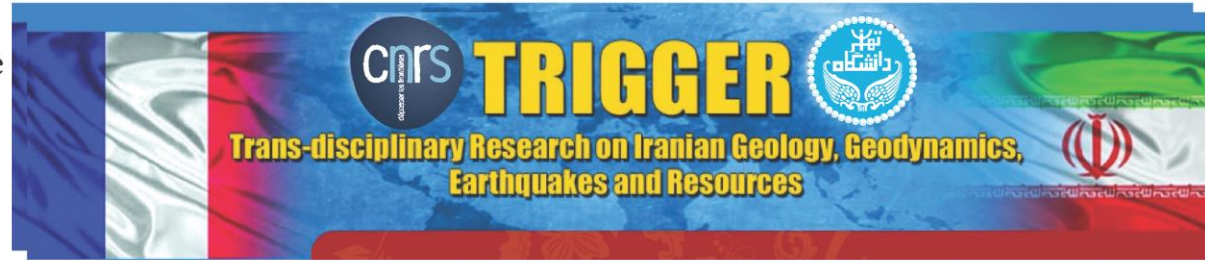
TEHRAN 2018 | NOV. 12-16



<b>Sarpol-e-Zahab Earthquake &amp; Geophysics</b>	<b>12:30 - 14:00</b>	<b>Lunch</b>
	14:00 - 14:30	Zahra Mousavi Coseismic slip distribution of the 2017 Sarpol-e Zahab earthquake inferred from InSAR ( <b>Keynote Lecture</b> )
	14:30 - 14:45	Mohammad Reza Ghaemmaghmanian (IIEES) Source process of Ezgeleh-Kermanshah earthquake 12 Nov 2017, and its relation to damage distribution
	14:45 - 15:00	Ebrahim Haghshenas (IIEES) Geotechnical Aspect of 12 Novembre 2017 Sarpol-e-Zahab Earthquake
	15:00 - 15:15	Mehdi Zare (IIEES) Seismicity, strong motion catalogues and seismic hazard assessment of the Middle East Earthquakes; with special Reference to Iran
	<b>15:15 - 15:45</b>	<b>Tea Break</b>
	15:45 - 16:15	Seyed Vahid Ardestani (University of Tehran) Urban microgravity surveys ( <b>Keynote Lecture</b> )
	16:15 - 16:30	Mansoure Montahei (University of Tehran) Joint Interpretation of Magnetotelluric and Seismic Velocity Data; Investigating the South Zagros Suture Zone

2<sup>nd</sup> TRIGGER International Conference

TEHRAN 2018 | NOV. 12-16



	16:30 – 16:45	Seyed-Hani Motavalli Anbaran (University of Tehran) First High Resolution Maps of Full Gravity Gradient Tensor for the Iranian Plateau: Geophysical Approach and Implications for Sedimentary Basins
	16:45 - 17:00	Seyed Abdoreza Saadat (National Cartographic Center) Investigation on land subsidence in Iran using gravity, GNSS and precise levelling data
	17:00 – 17:15	Zaher Hossein Shomali (University of Tehran) Hydrocarbon Exploration Using High Resolution Local Passive Seismic Tomography; An application to the Dehdasht region, south-west Iran
<b>17:15 – 18:00</b>		<b>Poster</b>
<b>Tuesday 13th Nov.</b>		
<b><i>Makran Tectonics revisited</i></b>	8:45 - 9:15	Jean-Pierre Burg (University of Zürich) Makran: where to? ( <b>Keynote Lecture</b> )
	9:15 - 9:30	Andrea Walpersdorf (University Joseph Fourier & Institute des sciences de la Terre) New insights into present-day deformation of the Makran subduction zone from continuous GPS: impact of the Saravan intra-slab earthquake in 2013 and first evidence of silent earthquakes
	9:30 - 9:45	Rahil Mokhtarzadeh (IASBS)

2<sup>nd</sup> TRIGGER International Conference

TEHRAN 2018 | NOV. 12-16



<p><i>Large-scale Tectonics and imaging of Iran</i></p>		Structure of the western Makran subduction zone from seismological studies
	9:45 - 10:00	<p>Jeroen Smit (Utrecht University) Deep structure of the Makran subduction zone</p>
	<b>10:00 - 10:45</b>	<b>Tea Break</b>
	10:45 - 11:15	<p>Federico Rossetti (Roma Tre University) The long-term structural evolution of the Doruneh Fault region: a key to understanding the tectonic response of Central Iran to the Arabia-Eurasia convergence (<b>Keynote Lecture</b>)</p>
	11:15 - 11:30	<p>Michael Jentzer (Sorbonne University) Paleostress field along strike-slip faults in Sistan and Baluchestan</p>
	11:30 - 11:45	<p>Mahtab Aflaki (IASBS) Drastic spatial changes in the modern stress field of northwest Iran</p>
	11:45 - 12:00	<p>Seyed Khalil Motaghi (IASBS) Multiscale deep structure imaging beneath northern portion of the Zagros collision zone</p>
12:00 - 12:30	<p>Mojtaba Namvaran (IIEES) Deep Structure across the Zagros and Alborz Continental Collision Zones from Seismic, Gravity, and Thermal Modeling (<b>Keynote Lecture</b>)</p>	

## 2<sup>nd</sup> TRIGGER International Conference

TEHRAN 2018 | NOV. 12-16



	<b>12:30 - 14:00</b>	<b>Lunch</b>
<b>Petrology</b>	14:00 - 14:15	Morteza Khalatbari (Geological Survey of Iran) U-Pb zircon ages, geology and petrology of the Eocene extrusive rocks and hypabyssal intrusions in the NE of Torud region.
	14:15 - 14:30	Alireza Eslami (University of Tehran) Tethyan Peridotite-Hosted Magnetite Deposits: An Overview of Present and Future Outlook
	14:30 - 14:45	Kazem Kazemi (University of Tehran) Geochemistry, petrogenesis and tectonic setting of I-type Haji-Abad pluton, SW Buin Zahra, Iran.
	14:45 - 15:00	Ali Akbar Baharifar (Payam Noor University) Role of Bulk Composition vs. Effective Bulk Composition (EBC) in phase diagram calculations for metamorphic rocks: examples from symplectic textures in migmatites, Hamedan area, Iran.
	<b>15:00 - 15:45</b>	<b>Tea Break</b>
<b>Economic Geology</b>	15:45 - 16:15	Hooshang Asadi Haroni (Isfahan University of Technology) Gold mineralization and exploration criteria in the Urumieh Dokhtar Magmatic Arc and Sanandaj Sirjan Zone in Iran ( <b>Keynote Lecture</b> )
	16:15 - 16:45	Flavien Choulet (University of Franche-Comte) Linking tectonics, climate and supergene mineralization: the case of non-sulfide zinc deposits

2<sup>nd</sup> TRIGGER International Conference

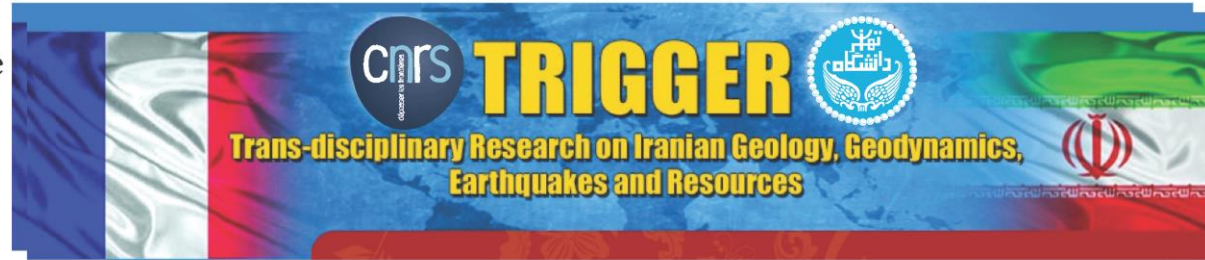
TEHRAN 2018 | NOV. 12-16



		<b>(Keynote Lecture)</b>
	16:45 - 17:00	Hossein Kouhestani (University of Zanjan) Geology and geochemistry of the middle Eocene Qarachilar Cu–Mo–Au deposit, NW Iran
	17:00 - 17:15	Mohammad Hossein Zarrinkoub (University of Birjand) Ore potentials in Sistan suture zone, in East of Iran
	17:15 - 17:30	Reza Mehrnia (Payam Noor University) Geometrical Identification of Hydrothermal Mineralization Potentials in Nikooyeh District (North of Iran)
	<b>17:30 - 18:30</b>	<b>Poster</b>
<b>Wednesday 14th Nov.</b>		
<i>Final Session: hazard, geodynamics, environmental issues</i>	8:45 - 9:00	Mehdi Rastgoo (University of Tehran) Estimation of Shear Wave Velocity Structure in Alborz Region and its Application in Physics-based seismic hazard assessment
	9:00 - 9:15	Kaveh Oghalaei (University of Grenoble) Empirical period formulas for different building typologies in Tehran, using ambient vibration recordings: comparison with local seismic code
	9:15 - 9:30	Mohammad Mahdi Khatib (University of Birjand)

2<sup>nd</sup> TRIGGER International Conference

TEHRAN 2018 | NOV. 12-16



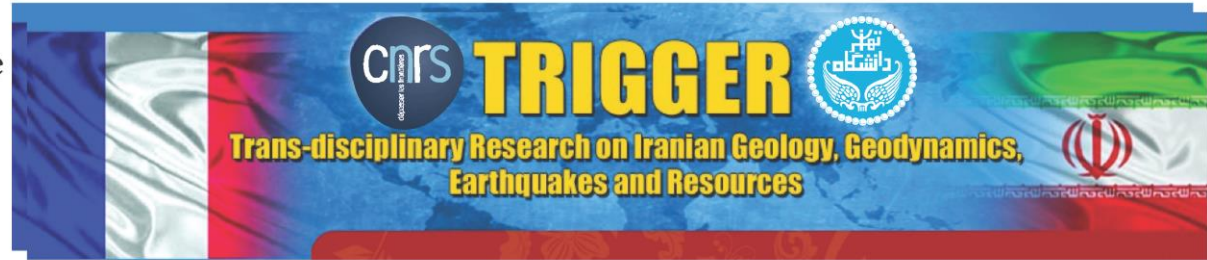
		Mechanism of earthquake migration. Case study: Lut block area, Eastern Iran
	9:30 - 9:45	Philippe Agard (Sorbonne Université) Seamount subduction in the Zagros: implications for seismogenesis
	9:45 - 10:00	Samuel Angiboust (Institut de Physique du Globe de Paris) Zagros blueschist: Episodic underplating and long-lived cooling of a subduction zone
	<b>10:00 - 10:45</b>	<b>Tea Break</b>
	10:45 - 11:00	Mohammad Ali Ghanbarian (Shiraz University) Parallel transpressional deformation belts with different shear senses in the Zagros hinterland fold-and-thrust belt, Iran.
	11:00 - 11:30	Abdolreza Ghods (IASBS) Where are the boundaries of the South Caspian Basin? ( <b>Keynote Lecture</b> )
	11:30 - 11:45	Vahid Teknik (IASBS & University of Copenhagen) Thetys Subduction and Continental Collision Imaged by Magnetic and Gravity Modelling
	11:45 - 12:00	Alina Tudryn (GEOPS, Univ. Paris-Sud and CNRS) Lake URMIA (NW Iran) environmental changes during the Holocene inferred from the lake deposits; preliminary results

## 2<sup>nd</sup> TRIGGER International Conference

TEHRAN 2018 | NOV. 12-16



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	12:00 - 12:15	Arash Sharifi Geochemical fingerprinting of modern and paleo dust over the Iranian Plateau
	12:15 - 12:30	Saeid Esmailoghli (Isfahan University of Technology) Contribution of deflation-based Fast ICA to the separation of geochemical signals in the field of mining geochemistry: A case study on the Kuh Panj porphyry system, Kerman, Iran.
	<b>12:30 - 14:00</b>	<b>Lunch</b>
	14:00-15:30	<i>Round Table</i>
	15:30-17:30	<i>TRIGGER Scientific Committee (on invitation only)</i>