International Association for Gondwana Research



2023 Convention and 20th International Conference on Gondwana to Asia

Conference Program

¹Department of Geology, Faculty of Science, Niigata University, Ikarashi Niigata 950-2181, Japan ²School of Earth Sciences and Resources, China University of Geosciences Beijing, 29 Xueyuan Road, Beijing 100083, China





Organized by

Niigata University, Niigata and Fossa Magna Museum, Itoigawa October 07th to 12th 2023, Niigata.



International Association for Gondwana Research 2023 Convention and 20th International Conference on Gondwana to Asia

Majani IAGR								
October 7, 2023: Venue: ANA Crowne Plaza Niigata								
17:00-20:00	Registration							
18:00-20:00 Ice breaker								
October 8, 2023:	October 8, 2023: Venue: Library Hall, Ikarashi Campus, Niigata University, Japan							
	Inaugural Ceremony Welcome Speech by Prof. Norikazu Ohtori, Dean, Faculty of Science, Niigata Univeristy							
9:30-9:45	Inauguration Speech by Prof. Tatsuo Ushiki, President, Niigata University Address by Prof. M. Santosh, IAGR Secretary General Address by Prof. Yunpeng Dong, IAGR President Vote of thanks by Prof. M. Satish-Kumar, Chair, Local Organizing Committee							
	Chair: M. Santosh, Co-chair: Cheng-Xue Yang							
9:45-10:15	Keynote Talk 1: Prof. Gupta Harsh Kumar, CSIR-National Geophysical Research Institute, India Indian Tsunami Early Warning System (ITEWS)							
10:15-10:30	Dr. Van der Meer Douwe G., Utrecht University, Netherlands Long-term Phanerozoic global mean sea level: Insights from strontium isotope variations and estimates of continental glaciation							
10:30-10:45	Prof. Farquharson Jamie, Niigata University, Japan Rainfall-driven volcanic hazards in a changing climate							
10:45-11:15	Photo Session and Coffee Break							
	Chair: Yunpeng Dong, Co-chair: Fumiko Higashino							
11:15-11:30	Prof. Kataoka Kyoko, Niigata University, Japan Crisis hazard assessment for lahars at snow-covered volcanoes in Japan: Examples from the most recent phreatic eruptions at Mts. Ontake and Kusatsu-Shirane							
11:30-11:45	Prof. Johnston T. Stephen, University of Alberta, Canada Upper versus Lower Plate Ore Deposits and Hydrocarbon Endowments: A case study from the Canadian Cordillera							
11:45-12:00	Prof. Zhang Wengang ,Chongqing University, China A Physics-informed data-driven model for landslide susceptibility assessment							
12:00-12:15	Prof. Sun Shengsi, Northwest University, China Rheology and seismic anisotropy of continental lithosphere							
12:15:12:30	Dr. Erath Shaji, Kerala University, India Groundwater quality of India: a status review							
12:30-13:00	Lunch Break							
13:00-14:00	Poster Session core time							
	Chair: Hokada Tomokazu, Co-chair: A. Vasanthi							
14:00-14:15	Dr. Dunkley Daniel J., Polish Academy of Sciences, Poland Vaguely right or exactly wrong: some thoughts on complex zircon and the handling of isotopic age data from microbeam analysis							
14:15-14:30	Dr. Król Piotr, Polish Academy of Sciences, Poland Complex polymetamorphic and magmatic history in Napier Mountains, East Antarctica revealed by zircon							
14:30-14:45	Prof. Krishnan Sajeev, Indian Institute of Science, India Genesis of Olivine-charnockite and its Gondwana connections							
14:45-15:00	Prof. Malaviarachchi P.K. Sanjeewa, University of Peradeniya, Sri Lanka 'Selective' UHT metamorphism in the deep crust							
15:00-15:15	Dr. Liu Qian , Northwest University, China Early Cambrian high pressure/low temperature metamorphism in the southeastern Tarim craton associated with cold subduction along circum-Gondwana							
15:15:15:30	Mr. Hsia Jui-yen, Sun Yat-sen University, Guangzhou, China Miocene-Pliocene UHT metamorphism in Western Sulawesi, Indonesia							
15:30-15:45	Coffee Break							
	Chair: Yongjiang Liu, Co-chair: Inna Safonova							

	ATION FOR GONDWA.	1				
NONAL ASSO	15:45-16:00	International Association for Gondwana Research 2023 Convention and 20th International Conference on Gondwana to Asia				
	15:45-16:00	Dr. Chang Ruihong, The University of Hong Kong, China Protolith and metamorphic ages of eclogites from the Eastern Alps: Implications for the Permian to Cretaceous Wilson cycle of the Austroalpine mega-unit				
	16:00-16:15	Dr. Dan Wei, Chinese Academy of Sciences, Guangzhou, China Correlation and comparison of Paleozoic oceans in NE and NW Gondwana				
	16:15-16:30	Dr. Higashino Fumiko, Kyoto University, Japan Post-peak fluid-induced metamorphic microstructures and the P-T conditions from Perlebandet, Sør Rondane Mountains, East Antarctica Prof. Geoffrey Hugo Grantham, University of Johannesburg, South Africa Neoproterozoic to Cambrian granitoids of northern Mozambique and Dronning Maud Land Antarctica: Implications for the assembly of Gondwana				
	16:30-16:45					
	16:45-17:00	Prof. Kawakami Tetsuo , Kyoto University, Japan Boron isotope compositions of coexisting kornerupine and tourmaline in high-grade metabasic rocks: an example from Akarui Point, Lützow-Holm Complex, East Antarctica				
	17:00	Departure from Niigata University (pick up by Chartered Bus)				
	18:00	Arrival at ANA Crowne Plaza, Niigata				
		Banquet (Venue: ANA Crowne Plaza Niigata)				
	18:30-20:30	IAGR General Assembly Gondwana Research 2023 Best Paper Award Ceremony				
		Geoscience Frontiers Best Paper Award Ceremony				
	21:00	IAGR Executive Council Meeting				
00		Venue: Library Hall, Ikarashi Campus, Niigata University, Japan				
	8:00	Departure from ANA Crowne Plaza Niigata to Ikarashi Campus (pick up by chartered bu				
		Chair: M. Satish-Kumar, Co-chair: T. Tsunogae				
9:00-9:30 Keynote Talk 2: Prof. Dong Yunpeng , Northwest University Neoproterozoic tectonic evolution and proto-basin of th						
	9:30-10:00 Keynote Talk 3: Dr. Meert Joseph G., University of Florida, USA India and South China in the Tonian: New Constraints from the Haroh Alkaline Province					
•	10:00-10:30	Keynote Talk 4: Prof. Safonova Inna, South-West Jiaotong University, China Intra-plate oceanic island basalts: from formation to accretion				
	10:30-10:45	Coffee Break				
		Chair: Joseph Meert, Co-chair: T. Kawakami				
	10:45-11:00	Prof. Festa Andrea, Università di Torino, Italy Significance of mélanges in the evolution of subduction complexes and orogenic belts				
-	11:00-11:15	Prof. Takazawa Eiichi, Niigata University, Japan Redox state of upper mantle recorded in the mantle peridotites of Oman ophiolite Dr. Zhang Donghai, Northwest University, China				
	11:15-11:30	Apparent standstill of the Mongolia block in the Carboniferous: decelerated plate motion in a true polar wander frame				
Dr. Anthwar Vasanthi, CSIR-National Geophysical Research Institu 11:30-11:45 Hyderabad, India		Dr. Anthwar Vasanthi, CSIR-National Geophysical Research Institute, Hyderabad, India Finite Element Approach to compute long-wavelength gravity and isostatic anomalies				
	11:45-12:00	Dr. Rehman Hafiz, Kagoshima University, Japan Zircon U-Pb and Hf isotope data from Himalayan Metamorphic Belt, Kaghan Valley, Pakistan constraining crustal growth in Archean and Proterozoic, recycling and regeneration in Paleozoic, and metamorphic regrowth during Mesozoic				
	12:00-12:15	Dr. Sarkar Dyuti Prakash, Hiroshima University, Japan Fault delineation, deformation microstructures and temperature estimations from shallow to mid-crustal parts of Main Himalayan Thrust, NW India				
1 1		Dr. Das Kaushik, Hiroshima University, Japan				



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12:30-13:00	Lunch Break
13:00-13:30	Poster Session Core Time
13.00-13.30	Chair: E. Shaji, Co-chair: Sanghoon Kwon
	Prof. Zhu Wenbin, Nanjing University, China
13:30-13:45	
	A late Paleoproterozoic collisional orogenic event in the northern Tarim Craton
13:45-14:00	Mr. Chong Fubao, Northwest University, China
13:45-14:00	Formation age and tectonic significance of Yellow River terrace sequences in Xinghai area, northeast Tibetan Plateau
	Prof. Cai Keda, China University of Geosciences Beijing, China
14:00-14:15	Diapir Melting of Subducted Mélange Generating Alkaline Arc Magmatism and Its
14.00-14.13	Implications for Material Recycling at Subduction Zone Settings
	Dr. Nambaje Claude, Niigata University, Japan
14:15-14:30	SHRIMP U-Th-Pb dating of Rwandan tin mineralisation and associated tectonic
14.10 14.00	processes
	Prof. Lin Shoufa, University of Waterloo, Canada
14:30-14:45	Eastern South China as an Appalachian-style accretionary orogen
	Dr. Hui Bo, Northwest University, China
14:45-15:00	Early Neoproterozoic subduction-related tectonics along the northwestern margin of
	the Yangtze Block, South China
	Dr. Wang Lijun, University of Waterloo, China
15:00-15:15	Yangtze and Cathaysia blocks of South China: Their separate positions in Gondwana
	until early Paleozoic juxtaposition
	Prof. V. J. Rajesh, Indian Institute of Space Science and Technology, India Origin
45.45.45.20	and Tectonothermal Evolution of Lodestones in the Layered Ultramafic Intrusions
15:15:15:30	of Coorg Block: Insights from Textural, Chemical, and Geothermometric
	Constraints
15:30:15:45	Coffee Break
	Chair: Geoffrey Hugo Grantham, Co-chair: Hui-Chun Chen
	Assoc. Prof. Zhang Feifei, Northwest University, China
15:45-16:00	Silurian gabbros and granitoids along the Erlangping tectonic belt in Tongbai orogen:
15:45-16:00	Implications for the Late Paleozoic tectonic evolution of the Qinling-Tongbai orogen,
	China
16:00-16:15	Prof. Liu Yongjiang , Ocean University of China, China
16.00-16.15	Mesozoic tectonics of NE China in eastern Central Asian Orogenic Belt
16:15-16:30	Prof. Liu Lin, Ocean University of China, China
10.13-10.30	
	Mantle dynamics of the North China Craton originating from slab dehydration
16:30-16:45	Mantle dynamics of the North China Craton originating from slab dehydration Prof. Shao Longyi, China University of Mining and Technology Beijing, China
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16:30-16:45	Prof. Shao Longyi, China University of Mining and Technology Beijing, China The chemical index of alteration in Permo-Carboniferous strata in North China as an indicator of environmental and climate change throughout the late Paleozoic Ice Age
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16:30-16:45 16:45-17:00	Prof. Shao Longyi, China University of Mining and Technology Beijing, China The chemical index of alteration in Permo-Carboniferous strata in North China as an indicator of environmental and climate change throughout the late Paleozoic Ice Age Mr. Li Yixi, Northwest University, China Rheology of basement complex from the middle and lower crust of the North Qinling
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16:45-17:00 17:00-17:15 17:15-17:45 17:45 18:45 19:15-22:00 October 10-11, 20	Prof. Shao Longyi, China University of Mining and Technology Beijing, China The chemical index of alteration in Permo-Carboniferous strata in North China as an indicator of environmental and climate change throughout the late Paleozoic Ice Age Mr. Li Yixi, Northwest University, China Rheology of basement complex from the middle and lower crust of the North Qinling Orogenic Belt Prof. Zou Hao, Chengdu University of Technology, China Mesozoic Large-scale barite -fluorite mineralization in Yangtze Block, China Plenary Session Chair: M. Santosh Departure from Niigata University (pick up by chartered bus) Arrival at ANA Crowne Plaza, Niigata
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October 8, 2023: Poster Presentation, Library Hall, Ikarashi Campus, Niigata University, Japan					
Poster	Name	Affiliation	Title		
No.	Miyamoto	Kyushu	Petrography and Rb-Sr mineral age of mafic dyke rocks on Niban-		
P-01	Tomoharu	University	Rock, Lützow-Holm Complex (LHC), East Antarctica.		
P-02	Park Seongjae	Chonnam National University	Preliminary works on the structural interpretation of the Seosan- Taean area, western Gyeonggi Massif, Korea		
P-03	Chen Long	Ocean University of China	The garnet effect on hafnium isotope compositions of granitoids during crustal anatexis		
P-04	Wang Ming-Xian	China University of Geoscience (Beijing)	Trondhjemites from the Western Dharwar Craton, Southern India: Implications for Mesoarchean crustal growth		
P-05	Kitano Ippei	Kyushu University	New zircon U–Pb geochronology of high-pressure schists from the Itoigawa-Omi area in the Hida Gaien Belt, Japan		
P-06	Samuel O. Vinod	Yonsei University	Geochemical evolution of fertile upper mantle peridotite implies unbroken mantle keel beneath East Asia		
P-07	Chen Hui-Chun	National Cheng Kung University	Mineral chemistry and thermobarometry of xenoliths from the Kyrgyz-Tianshan basalts		
P-08	Kim Changyeob	Yonsei University	Preliminary studies on structural evolution at an oblique Transverse Zone, Okcheon fold-thrust belt, Korea		
P-09	Gao Pin	China University of Geosciences Beijing	Meso- to Neoarchean Geological Evolution of the Wutai Complex, North China Craton: Implications from Geochemistry and Zircon Geochronology on the Metavolcanics		
P-10	Tsunogae Toshiaki	University of Tsukuba	Proterozoic intracratonic reworking in southern Africa: implications for episodic thermal events related to supercontinent amalgamation		
P-11	Yoshida Masaru	Gondwana Institute for Geology and Environment	Traversing the Himalayan Orogen 2023-Report of the 11th Student Himalayan Field Exercise Tour		
P-12	Suzuki Keisuke	Geological Survey of Japan	Paleozoic sedimentary history of the Hida Gaien belt (Inner zone of Southwest Japan) in relation to the breakup of Gondwana and the assembly of Northeast Asia		
P-13	P. Gopinathan Athira	Niigata University	Tracing crustal evolution using detrital zircon and monazite from beach placers of Gondwana		
P-14	Bui Thi Sinh Vuong	Vietnam Academy of Science and Technology	Monazite dating of pelitic gneisses in the Dai Loc Complex, Truong Son Belt, Vietnam		
P-15	Lakshmanan Sreehari	Shimane University	Structural evolution and stratigraphic relations in the Western Dharwar Craton (WDC) and its implications in regional scale tectonics		
P-16	V. T. Muhammed Shamil	Indian Institute of Technology Kanpur	Mineralogical and Chemical characterization of Allanite from Moyar Shear Zone, India		
P-17	Takehara Mami	National Institute of Polar Research	Zircon geochemistry of felsic gneisses from Harvey Nunatak, Napier Complex in East Antarctica		
P-18	M. Satish-Kumar	Niigata University	Carbon geodynamic cycle in the continental crust		

International Association for Gondwana Research 2023 Convention and 20th International Conference on Gondwana to Asia China University Crustal evolution of the Coorg Block, Southern India: Implications P-19 Yang Chengxue of Geosciences for Mesoarchean plate tectonics (Beijing) Ocean Geological control of the eastern Great Wall: Mountain-basin P-20 Liu Boran University of relationships in the eastern North China Craton China Arya Prakash Indian Institute Neoproterozoic paleo-ocean fluid inclusions inside Himalayan P-21 Chandra of Science magnesite crystals Paleozoic tectonothermal evolution of the Jinchuan Ni-Cu sulfide Northwest P-22 Tao Ni deposit, NW China: New constraints from 40Ar/39Ar and (U-Th)/He University thermochronology Subcontinental Lithospheric mantle evolution in Archean: insights Shimane P-23 A. S. Silpa University from the geochemistry of mafic dyke swarms Peking Massive abiotic methane production in eclogite during cold P-24 Zhang Lijuan University subduction Guangzhou Tibetan Plateau growth linked to crustal thermal transitions since P-25 Zhang Xiu-Zheng Institute of the Miocene Geochemistry Indian Institute Anil Kumar of Space Ultramafic-Hosted Magnesite Deposits of Salem Mafic-Ultramafic P-26 Haritha Science and Complex, Southern India: Spectral and Stable Isotopic Insights Technology Chenadu Correlating multiple-stage exhumation processes in central Tibetan P-27 Li Zhiwu University of Plateau and its margins: Implications for plateau uplift and growth Technology A review of the prolonged early Paleozoic retreating subduction and The University of P-28 Cui Xing accretionary orogenesis of the Altai Zone, Central Asian Orogenic Hong Kong Belt October 9, 2023: Poster Presentation, Library Hall, Ikarashi Campus, Niigata University, Japan Van der Meer Utrecht P-29 Mantle impressions of East Asian subduction history Douwe G. University Radiolaria- and zircon U-Pb-dated Permian strata on Sado Island, Kurihara Niigata P-30 Toshiyuki University central Japan, and their geotectonic significance Niigata Magmatic and crustal evolution of volcanic arcs through back-arc P-31 Yamada Raiki University spreading: A case study of the opening of the Japan Sea Paleozoic high pressure schists in the Omi area, Itoigawa city, Niigata P-32 Yoshida Takumi University Niigata. Application of Raman spectra of carbonaceous material and carbon Niigata P-33 isotope thermometries in low-medium grade metacarbonates from Sasidharan Kiran University the Chitradurga Schist Belt, Dharwar Craton China University Detrital Minerals Geochronology Applied to Tectonics and P-34 Yang Yonggiang of Geosciences Paleogeography at Nianzigou, Inner Mongolia (Beijing) Northwest Establishment of modern plate tectonic regime and modern Earth P-35 Yao Jinlong University system in the late Neoproterozoic- early Cambrian Chenadu Updating the digital paleogeographic maps for East Tethys from P-36 University of Chen Anging Middle Permian to Middle Triassic Technology

Peer Review in Academic Publishing: Threats and Challenges

China University

of Geosciences (Beijing)

P-37

Wang Lili

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P-38	Gao Fei	China University of Geosciences (Beijing)	Open Access in Geoscience Journals: Challenges and Opportunities for Journal Development
P-39	Zhang Jinhai	Chinese Academy of Sciences (Beijing)	Statistical periodicities of Japan earthquakes detected by Hi-Net seismic network
P-40	Xiong Fuhao	Chengdu University of Technology	How deceptive is typology of granitic rocks? Insights from the Triassic Xiangride felsic igneous complex in Kunlun Orogen, North Tibet
P-41	Yuan Xiaoyu	Ocean University of China	Evidence for breakup of Rodinia supercontinent from mid Neoproterozoic rocks in the northeastern Yangtze Block, China
P-42	P. V. Thanooja	CWRDM, Calicut, India	Felsic – mafic magmatism in the Madras Block, India: Insights into Neoarchaean tectonics
P-43	Abewardana U. G. A. M. Pahan	University of Peradeniya	Petrological and Geochemical Variations of Charnockitic rocks in the Wanni Complex, Sri Lanka
P-44	Xue Fei	Hohai University, China	Lithium sources and enrichment mechanisms in salt lakes: A comparative Li-H-O isotopic and geochemical study of Laguo Co and Cangmu Co, northern Tibetan
P-45	Hokada Tomokazu	National Institute of Polar Research	Geologic evolution of the Indian Ocean sector of the Antarctic continent - update of recent two decades
P-46	Zhu Junjiang	Ocean University of China	Lithosphere subduction process of the Molucca Sea microplate
P-47	Toyoshima Tsuyoshi	Niigata University	Form line map, geological structures, and crustal unit divisions of the Lützow-Holm Complex, East Antarctica