

Special Sessions	Outline	Presentation Style
<b>S1: Accessory mineral as a tool to investigate the dynamics of the Earth's interior</b> <b>Conveners</b> Tetsuo Kawakami: t-kawakami@kueps.kyoto-u.ac.jp Takehiko Hiraga: hiraga@eri.u-tokyo.ac.jp Shogo Tachibana: tachi@eps.s.u-tokyo.ac.jp	In recent years, accessory minerals are one of the most challenging targets in petrology, mineralogy, geochemistry, geochronology and tectonics. The purpose of this session is to facilitate the integrated research in geosciences utilizing accessory minerals. We would like to invite researchers from different fields connected with accessory minerals and discuss how accessory minerals can contribute to understand the Earth's interior.	Oral only
<b>S2: Water-rock interaction</b> <b>Conveners</b> Noriyoshi Tsuchiya: tsuchiya@mail.kankyo.tohoku.ac.jp Yasuko Okuyama: okuyama-gsj@aist.go.jp Koichiro Fujimoto: koichiro@u-gakugei.ac.jp	The Earth's crust is composed from solid materials and fluids, and Water - Rock Interaction is one of essential processes for understanding Evolution of the Earth. This special session on "Water-Rock Interaction" includes wide range of topics which are from basic science to engineered technologies for underground utilization and development.	Oral only
<b>S3: Large silicic magma systems</b> <b>Conveners</b> Yoshitaka Nagahashi: nagahasi@educ.fukushima-u.ac.jp Masatsugu Yamamoto: yamamoto@galena.mine.akita-u.ac.jp Michihiko Nakamura: nakamm@mail.tains.tohoku.ac.jp Takeyoshi Yoshida: tyoshida@mail.tains.tohoku.ac.jp	The last few years have been an active time with thematic meetings related to Large Silicic Magma Systems. The special volume of JVGR about this theme was published in 2007 based on two meetings in 2005. The Growth and Evolution of Large Silicic Magma Bodies at Joint Assembly of AGU, and Large Scale Silicic Magmatic Systems at AOGS. These sessions brought together researchers of the volcanic and plutonic communities from across the world and provided the opportunity to coordinate a collection of work that addresses fundamental questions of how large silicic magmatic systems operate. In this special session at Akita, the Japanese contributors of the volume and the others will show their topics and see ahead into the future of this theme with a broad range of approaches.	Oral, Invited only
Regular Sessions	Outline	Presentation Style
<b>R1: Magma process and subduction factory</b> <b>Conveners</b> Yoshihiko Tamura: ytamura@ucsc.edu Tsukasa Ohba: t-ohba@gipc.akita-u.ac.jp Masao Ban: ban@sci.kj.yamagata-u.ac.jp Osamu Ishizuka: o-ishizuka@aist.go.jp Jun-ichi Kimura: jkimura@jamstec.go.jp	We invite papers studying dynamic magma processes and/or subduction factory by using mineralogical, petrological, geochemical or geophysical methods. Multi-disciplinary approaches to these topics are also welcomed.	Oral Poster Joint session with GSJ
<b>R2: Plutonic and metamorphic rocks</b> <b>Conveners</b> Tomoharu Miyamoto: miyamoto@geo.kyushu-u.ac.jp Atsushi Kamei: kamei-a@riko.shimane-u.ac.jp	We invite papers analysis of plutonic and metamorphic rocks by using geology, petrography, geochemistry (isotopic study), experimental petrology and numerical simulation.	Oral Poster Joint session with GSJ
<b>R3: Petrology, mineralogy and economic geology</b> <b>Convener</b> Toshiaki Tsunogae: tsunogae@geol.tsukuba.ac.jp	We invite papers regarding petrology, mineralogy and economic geology.	Oral Poster Joint session with GSJ
<b>R4: Mineral descriptions and analytical methods of earth and planetary materials</b> <b>Conveners</b> Masanori Kurosawa: kurosawa@geol.tsukuba.ac.jp Ritsuro Miyawaki: miyawaki@kahaku.go.jp	This session focuses on mineral descriptions and analytical methods of earth and planetary materials. Descriptions of occurrence, morphology, internal texture, crystal structure, chemistry, fluid inclusion, solid inclusion, crystal imperfections in minerals, and studies on development of analytical methods for mineral sciences are welcomed.	Oral Poster
<b>R5: Crystal structure</b> <b>Conveners</b> Kazumasa Sugiyama: kazumasa@imr.tohoku.ac.jp Akira Yoshiasa: yoshiasa@sci.kumamoto-u.ac.jp	The structural analysis of natural and synthetic minerals is main topics for this session. New challenging analytical approach for the structural inhomogeneity and the nano-scaled structure realized in minerals should be welcomed.	Oral Poster

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<b>R6: Mineral synthesis, crystal growth and dissolution, and properties of minerals</b> <b>Conveners</b> Toshiro Nagase: nagase@mail.tains.tohoku.ac.jp Katsuhiro Tsukimura: tsukimura-katsuhiro@aist.go.jp	This session focuses on the synthesis of minerals, the nucleation and growth of crystals, the phase transition, the dissolution of minerals, and the properties of minerals. The properties of minerals include the mechanical, electric, magnetic, optical, and thermodynamic properties, and also the adsorption and reaction of mineral surfaces. We would like to encourage authors to submit papers on the application of minerals.	Oral Poster
<b>R7: Mineralogical sciences of the Earth surface</b> <b>Conveners</b> Motoharu Kawano: kawano@sci.kagoshima-u.ac.jp Toshihiro Kogure: kogure@eps.s.u-tokyo.ac.jp Tsutomu Sato: tomsato@eng.hokudai.ac.jp	This session aims to present the latest advances in the mineralogical sciences of the Earth surface, covering crystal structure, chemical composition, surface property, dissolution, precipitation, biomineralization, mineral-water-atmosphere-microbe interactions, inorganic -organic interactions, and others.	Oral Poster
<b>R8: Mineral sciences in the Earth's interior</b> <b>Conveners</b> Takaya Nagai: nagai@mail.sci.hokudai.ac.jp Toru Inoue: inoue@sci.ehime-u.ac.jp	It is significantly important to understand the wide range of mineral sciences in the Earth's interior, because dynamics in the Earth's interior must be closely related to not only the evolution of the Earth but also the environment near the Earth's surface. The aim of this session will be to discuss the full range of physical and chemical properties of minerals on the basis of experimental and computational approaches. Targeted materials are not only minerals but also their analogous, amorphous materials and melt.	Oral Poster
<b>R9: Mineralogical sciences of extraterrestrial materials</b> <b>Conveners</b> Hisayoshi Yurimoto: yuri@mail.sci.hokudai.ac.jp Hiroshi Kaiden: kaiden@nipr.ac.jp	Oral and poster contributions on any aspects of mineralogical sciences of extraterrestrial materials such as presolar grains, cosmic dust, meteorites, and lunar samples are invited.	Oral Poster
<b>R10: Eruption and eruptive history of volcanoes</b> <b>Conveners</b> Tsukasa Ohba: t-ohba@gipc.akita-u.ac.jp Yoshihiko Tamura: tamuray@jamstec.go.jp Masao Ban: ban@sci.kj.yamagata-u.ac.jp	This session will include papers on modes of eruption, eruptive history, dispersal and emplacement of the volcanic products as well as eruption forecasting. The discussion will span geological, petrological, geochemical, geophysical processes related with volcanic activity and products in the geological past and the present.	Oral Poster  <b>Joint session with GSJ</b>
Annual Symposium	Outline	Presentation Style
<b>S: 2008 Symposium:</b> <b>Rare metal resources from the viewpoints of petrology, mineralogy and economic geology</b> <b>Conveners</b> Yasushi Watanabe: y-watanabe@aist.go.jp Yotaka Takahashi: takahashi-yutaka@aist.go.jp	This session aims to discuss the occurrence, genesis, metallogeny and origin of rare metal deposits, such as W, In, REE, Bi, PGE, etc., of which demands are expected to increase drastically in future, from various viewpoints of petrology, mineralogy and economic geology. Presentations on the resource potential of rare metals in the conventional or unconventional deposit types, rocks and/or minerals are also welcomed.	Oral Poster

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