

**Titles of presentation at the Sixth Seoul International
Symposium on Antarctic Science
"Recent Progresses in Antarctic Geosciences"
held at May 18-19, 1999**

*with one keynote speech,
twenty two oral presentations,
and eight poster presentations*

**Polar Research Center
Korea Ocean Research and Development Institute
Ansan P.O. Box 29, Seoul 425-600, KOREA**

18 May, 1999

9:15 - 9:45	Registration	
9:45 - 10:00	Opening Address	Prof. B.-K. Park, Chairman, (Korea Council of Public Science and Technology Research Institutes)
10:00 - 10:20	Keynote speech Antarctic and Greenland snow and ice cores : archives of the climate and pollution of the atmosphere of the Earth	Prof. Claude Boutron, (Grenoble Univ. France)
10:20 - 10:50	<i>Coffee Break</i>	
Session 1: Tectonics / Geophysics		
		<i>Chair: W. Zhang and M.C. Suh</i>
10:50 - 11:15	Ultra-high temperature (UHT) metamorphism in the East Antarctic Shield	Y. Motoyoshi
11:15 - 11:40	Structure and tectonic evolution of the West Antarctic Continental Margin and Bellingshausen Sea	R.D. Larter, A.P. Cunningham, P.F. Barker, K. Gohl, and F.O. Nitsche
11:40 - 12:05	Tectonic implication of seismic structure along the southwestern South Shetland margin and Boyd Strait, Antarctic Peninsula	Y.K. Jin, Y. Kim, S.H. Nam, D.K. Lee, and K.J. Kim
12:05 - 12:30	After shock activity of the Great Earthquake in the Antarctic plate on March 25, 1998	R. Kobayashi, K. Kaminuma, Y. Nogi, and M. Kanao
12:30 - 12:55	<i>Coffee Break</i>	
13:00 - 14:00	<i>Lunch</i>	
Session 2: Geophysics / Petrology		
		<i>Chair: R.D. Larter and Y. Kim</i>
14:00 - 14:25	Paleoclimatic records of lacustrine deposits at the Fildes Peninsula of King George Island, Antarctica	W. Zhang, H. Zheng, B. Yuan, and J. Liu
14:25 - 14:50	Measurements of vector magnetic anomalies in the Southern Indian Ocean	Y. Nogi, and K. Kaminuma
14:50 - 15:15	Antarctic crustal modeling from the spectral correlation of free-air gravity anomalies with the Terrain	J.W. Kim, and R.R.B. von Frese
15:15 - 15:40	Occurrence of ore minerals and fluid inclusions of hydrothermal veins near the Johnsons Dock area of Hurd Peninsula, Livingston Island, South Shetland Islands	J. Hwang, S.D. Hur, and Y. Kim
15:40 - 16:10	<i>Coffee Break</i>	
Session 3: Petrology / Geochemistry		
		<i>Chair: Y. Motoyoshi and S.-K. Chang</i>
16:10 - 16:35	Noble gases in dredged basalts DV5 and DV6 from a seamount of the Bransfield Strait, Antarctica	K. Nagao, J.I. Lee, and H. Kim
16:35 - 17:00	Pebbly-Mudstone of the Miers Bluff Formation in Hurd Peninsula, Central Livingston Island, West Antarctica	X. Deng, X. Zheng, and X. Liu
17:00 - 17:25	Geochemistry and Sr-Nd-Pb isotopic compositions of the volcanic rocks in the Southwestern King George Island, Antarctica	J.I. Lee, H. Kim, M.Y. Choe, S.D. Hur, J. Moutle, and X. Zheng
19:00 -	Welcome Party, hosted by President of KORDI	

19 May, 1999

Session 4: Sedimentology / Paleoceanography I		<i>Chair: C. Boutron and B.Y. Lee</i>
9:20 - 9:45	Surface texture analysis of glaciomarine quartz and grains from the Maxwell Bay, Bay of Deception Island, and Bransfield Strait, Antarctica, by Scanning Electron Microscope (SEM)	D. Cheong
9:45 - 10:10	Water mass mixing and oxygen isotope of seawater in the Antarctic Ocean: Comparison between enclosed bay and open ocean environments	B.K. Khim, S.H. Kang, B.-K. Park, Y. Kim, and K.S. Woo
10:10 - 10:35	On Eocene fossil, Hill formation from King George Island, Antarctica and its tectono-sedimentary environment	Y.-B. Shen
10:35 - 11:10	Variations of Turbidities in a Forearc Slope Apron: President Beaches Formation (Berriasian), Livingston Island, South Shetland Islands, Antarctica	M.Y. Choe, and C.W. Rhee
11:00 - 11:20	<i>Coffee Break</i>	
Session 5: Sedimentology / Paleoceanography II		<i>Chair: Y. Shen and Y.-J. Jwa</i>
11:20 - 11:45	Marine sedimentary record of Antarctic environmental change: review of research at Australia's Cooperative Research Centre for the Antarctic and Southern Ocean Environment	P.T. Harris
11:45 - 12:10	Paleoclimatic changes during the late Holocene in Maxwell Bay of South Shetland Islands, West Antarctica	D. Kim, B.-K. Park, H.I. Yoon, and C.Y. Kang
12:10 - 12:35	Distribution and origin of clay minerals in soils of the Barton Peninsula, King George Island, West Antarctica	G.Y. Jeong, H.I. Yoon, and Y. Kim
12:35 - 13:00	Diatoms in the Core Sediments of the Bransfield Strait, Antarctica	B.-Y. Bae, H. Yun, and S. Yi
13:00 - 14:00	<i>Lunch</i>	
Session 6: Glaciology/Meteorology		<i>Chair: P.T. Harris and D. Cheong</i>
14:20 - 14:25	Atmospheric heavy metals in ice and snow from Greenland, Antarctica and the Alps	C. Boutron, S. Hong, K. Van de Velde, A. Veyseyre, J.-P. Candelone, C. Ferrari, K. Rosman, M. Bolshov, C. Barbante, and F. Adams
14:25 - 14:50	Lead isotopes as tracers of pollution in snow and ice	K.J.R. Rosman, W. Chisholm, C.F. Boutron, and J.-P. Candelone
14:50 - 15:15	The Concentrations of major ionic species in an Antarctic snow pit.	J. Park, G. Lee, and S. Hong
15:15 - 15:35	<i>Coffee Break</i>	
Poster Presentation		<i>Chair: C.W. Rhee</i>
15:35 - 16:35	Characteristics of total ozone and solar radiation above King Sejong Station in King George Island, West Antarctica	B.Y. Lee, H.-K. Cho, M.J. Jeong, and Y. Won
	The Seasonal variability of particle fluxes and their compositions from Marian Cove, King George Island, Antarctica	J. Shim, Y.-C. Kang, and D. Kim
	Seismic structure of the South Shetland margin near the Hero fracture zone	D.K. Lee, Y. Kim, and Y.K. Jin
	Structure variation of the Shackleton Fracture zone at the Antarctic-Scotia plate boundary	K.J. Kim, Y.G. Jin, S.H. Nam, and Y. Kim
	Geochronologic evidence for the Early Cretaceous volcanic activity in the Barton Peninsula, King George Island, Antarctica	H. Kim, J.I. Lee, M.Y. Choe, M. Cho, X.Zheng, H. Sang, and J. Qiu
	Cu-bearing hydrothermal veins and breccias around Hesperides point, Livingston Island, South Shetland islands, Antarctica	S.D. Hur, M.Y. Choe, J. Hwang, and Y. Kim
	Paleoceanography in Maxwell and Admiralty Bays in the South Shetland Islands, West Antarctica	H.I. Yoon, B.-K. Park, D. Kim, and C.Y. Kang
Dispersal pattern of suspended particulate matter (SPM) and oceanographic properties of Marian Cove, South Shetland Island, West Antarctica	K.-C. Yoo, H.I. Yoon, S.-K. Chang, J.-K. Oh, and C.Y. Kang	