

[EE] Evening Poster | S (Solid Earth Sciences) | S-IT Science of the Earth's Interior & Tectonophysics

[S-IT25] Deep Carbon: Diamond formation and carbon speciation in Earth and planetary processes

convener: Eiji Ohtani (Department of Earth and Planetary Materials Science, Graduate School of Science, Tohoku University), Konstantin Litasov (V.S. Sobolev Institute of Geology and Mineralogy SB RAS), Hiroyuki Kagi (東京大学大学院理学系研究科附属地殻化学実験施設, 共同), Craig E Manning (University of California Los Angeles)

Tue. May 22, 2018 5:15 PM - 6:30 PM Poster Hall (International Exhibition Hall7, Makuhari Messe)

Diamonds are observed in various localities including terrestrial and extraterrestrial environments. However, there are several reports on the diamond localities from non-traditional sources including ultra-deep seated diamonds, ultrahigh pressure metamorphic rocks, various magmas, some meteorites and terrestrial craters. These diamonds might be formed by shock events, crystallization from fluids, magmas, or metallic melts, and CVD process. In this session, we welcome papers on occurrence and origin of diamonds from traditional and non-traditional sources in earth and meteorites. We also encourage the experimental studies on diamond genesis, speciation of carbon bearing compounds in terrestrial rocks and meteorites. We welcome papers on formation mechanisms of diamond in natural metal-carbon systems, chromatographic study of deep seated and experimental fluids. We also welcome papers dealing with behavior of organic materials at high pressure and high temperature corresponding to the deep earth and planets. In some chromitites, various enigmatic high pressure phases have been reported as inclusions together with diamond. We also encourage the presentations on descriptions and discussions on the origin of these materials.

[SIT25-P04] Verification of Origin of Kimberlite pipe by Abduction with Multi-Impact Hypothesis^{2014 U06-P24}

- Demonstration of Spourting Mantle (including deep diamond rocks) Mechanism actual Proof of Plate Tectonics -

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Keywords: All collision energy concentrates at the same time at Counter position, Origin of deep ocean bottom with isostasy due to mantle defect, Collision to high latitude is the couple of the earth's axis tilt, Collision to Hawaii is the origin of the Kimberley mine before the continental movement, Abduction is a verification using multiple results of one-time evolution, the multi impact hypothesis

The formation hypothesis of Kimberlite Pipe is the first original idea in the world.

Formation Mechanism of Diamond is studied by Carbon Emission from deep part of Earth by the Kimberlite pipe, but Cause was unclear why Injection of Kimberlite pipe occurred.

In **Multi Impact Hypothesis**^{2014 U06-P24}, Mantle fragments of Planet CEREA collided with Earth and became Origin of Ocean Floor due to Mantle defect.

Collision Energy at Earth Collision arrives at Counter position of Earth at the same time, and **Kimberlite Pipe** gushes from the deep mantle.

Collision to Drake Passage position (**high latitude**) that formed Téchis Sea is a **moment** that tilts Axis about 23.5 degrees and Formation of a Kimberlite Pipe to Milneuil position,

Formation of Indian Ocean and Division of Gondwana Continent, Caused a major shift to all directions.

Caused it. Mantle defect in Antarctic position, Antarctica moved there and there has not been any movement since then. Deccan Plateau And Australia **moved actively**.

In Collision with the Hawaiian position in Pacific Ocean, Kimberly Position in Africa before moving on Continent. **Premier mine** of 1.75 million years ago is moving with mine by Continental Migration. Shock waves to the other side of Earth, mantle and A diamond mine was formed with Ejection of Impact jet that breaks through the crust.

Thus, *from Multi Impact Hypothesis, Origin of Diamond* could also be verified by Abduction.

- SEED SCIENCE Labo, the smallest scientific Personal institute in the world The object of exploration is the world's widest and the past [the origin of the solar system and moon and the earth, the universe does not expand etc.]