

**15th HU-SNU Joint Symposium Program**  
**December 7, 2012**  
**D201, Graduate School of Environmental Science**  
**Hokkaido University, Sapporo, Japan**

| Time        | Topic  | Speaker                 | Affiliation | Chairman           |
|-------------|--|-------------------------|-------------|--------------------|
| 09:00-09:05 | Opening Speech   | Katsuaki Shimazu        | EES,HU      | Hisayuki Yoshikawa |
| 09:05-09:10 | Opening Speech   | Guebuem Kim             | SEES,SNU    |                    |
| 09:10-09:40 | Current status of greenhouse gas monitoring at Gosan, Jeju Island  | Kyung-Ryul Kim          | SEES,SNU    |                    |
| 09:40-10:00 | Origin and formation pathways of low molecular weight dicarboxylic acids, ketoacids, $\alpha$ -dicarbonyls and fatty acids in marine aerosol samples collected in 2009-2010 from Cape Hedo, Okinawa Island, Japan, an outflow region from East Asia. | Bhagawati Kunwar        | EES,HU      |                    |
| 10:00-10:20 | Seasonal variation of low molecular weight monocarboxylic acids in the atmosphere from Sapporo, Japan.   | Shinnosuke Nakamura     | EES,HU      |                    |
| 10:20-10:35 | <b>Coffee Break</b>  |                         |             |                    |
| 10:35-10:55 | Evolution of the Giant Icebergs in the Amundsen Sea, West Antarctica, and their Implications derived from Various Multi-Temporal Satellite Data  | Seung Hee Kim           | SEES,SNU    | Koji Suzuki        |
| 10:55-11:15 | Ice core records of dicarboxylic acids, ketoicarboxylic acids, $\alpha$ -dicarbonyls and fatty acids from southeast Alaska for last 300 years.   | Ambarish Pokhrel        | EES,HU      |                    |
| 11:15-11:35 | Dynamics of transparent exopolymer particles (TEPs) in the Oyashio region of the northwest Pacific during the spring diatom bloom  | Yuichi Nosaka           | EES,HU      |                    |
| 11:35-11:55 | Multiple sulfur and oxygen isotopic composition of sulfate in the freshwater from South America and Antarctica   | In Kyeong Moon          | SEES,SNU    |                    |
| 11:55-13:15 | <b>Lunch Break&amp;Photo</b>   |                         |             |                    |
| 13:15-13:45 | Overview of recent studies on submarine groundwater discharge in the coastal ocean   | Guebuem Kim             | SEES,SNU    | Chung-Wan Lim      |
| 13:45-14:05 | Comparative research on nitrogen dynamics with stable isotopes of plant among ecosystems   | Rei Fujiyoshi           | EES,HU      |                    |
| 14:05-14:25 | Nutrients inputs to the coastal ocean through Submarine Groundwater Discharge (SGD)  | Hyung-Mi Cho            | SEES,SNU    |                    |
| 14:25-14:40 | <b>Coffee Break</b>  |                         |             |                    |
| 14:40-15:00 | Sustainability of Municipal Solid Waste Management in Ulaanbaatar, Mongolia  | Byamba Bolorchimeg      | EES,HU      | Guebuem Kim        |
| 15:00-15:25 | Chemical composition of volcanic glasses in alkaline tephra layers at Baegdusan volcano and Ulleung Island, Korea  | Chung-Wan Lim<br>(任 忠完) | SEES,SNU    |                    |
| 15:25-15:30 | Closing Speech   | Hisayuki Yoshikawa      | EES,HU      |                    |
| 15:30-15:35 | Closing Speech   | Kyung-Ryul Kim          | SEES,SNU    |                    |