

Candidate of Hydrological Sciences (HS) Section President

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Mission Statement

Hydrology was traditionally considered as an engineering discipline. As the study of hydrology extended from engineering design and practices to understanding and modeling the occurrences, spatial and temporal variations of all forms of water in the atmosphere, on and below the earth surface, the multidisciplinary and geoscience nature of hydrological study emerged.

I am honored to be nominated for election to the Hydrological Sciences section president. I believe the study of hydrology should respond to the need to understand the complex water systems of the Earth and help to solve water problems which involve global, regional and local spatial scales and centennial, decadal, and daily and sub-daily temporal scales. My views of the missions as the HS Section President, if elected, are summarized as follows.

In order to address such multifaceted nature of the hydrological science, not only does the HS section need to provide a platform for technology and knowledge sharing and exchange, but also to actively promote studies on challenging issues which are critically important to the Asia and Oceania region. Some of these issues may include: probabilistic risk assessment of natural disasters induced by typhoons under climate change scenarios, improving hydrological extremes predicative capabilities of hydrological models, and transboundary water resources management. Such issues may also be of common interests to other sections of AOGS. Thus, initiating joint symposium session or interdisciplinary geosciences session on such issues in AOGS annual meeting will be encouraged.

To enhance the influence of the HS section, we will also need to reach out to hydrological or geoscience societies of individual countries, in additional to other well-known international associations like IAHS, IAHR, AGU, and EGU. This can be achieved by taking part in the international sessions in meetings of these societies (such as the International Symposium Session of Japan Geoscience Union).

Participation of young scientists, including graduate and undergraduate students, in AOGS meetings is crucial to the sustainable growth of the HS section and career developments of these students as well. In the past, I had helped establishing "*Student Sessions*" in other international associations which were organized, chaired and presented all by students, with professors played assisting roles. Such sessions provided opportunities for young scientists from different countries working together to learn real experiences in organizing, chairing and making presentations in a conference session. Many participants from different countries became friends and collaborators in their subsequent careers. I would encourage and provide incentives for organizing such *Student Sessions* in future AOGS annual meetings.

Under the leaderships of the current and previous presidents, the HS section has been enjoying steady growth. If elected, I shall follow their successful approaches to ensure continuous and long-lasting growth of the HS section and to provide a more convenient platform for HS colleagues to interact and collaborate.