

SIL2021

35th Congress of the International Society of Limnology

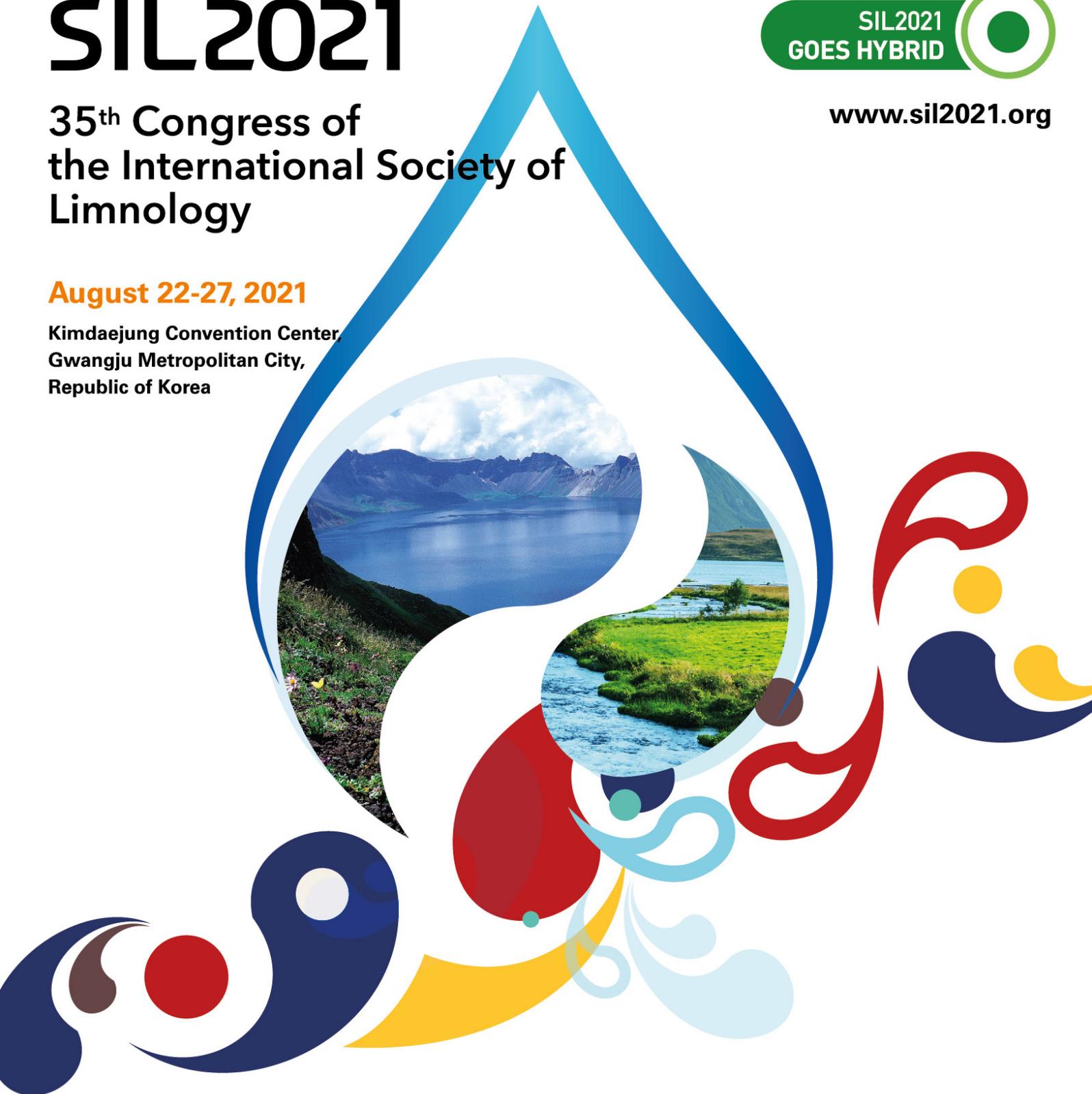
August 22-27, 2021

Kimdaejung Convention Center,
Gwangju Metropolitan City,
Republic of Korea

**SIL2021
GOES HYBRID**



www.sil2021.org



Biodiversity and Ecosystem Services for Healthy Rivers, Lakes and Humans

Hosts



Organizer



Organizing Committee

Partners



Gwangju
Tourism
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Welcome Message

We welcome the opportunity to host the 35th Congress of the International Society of Limnology. Initially the SIL2020 Meeting was originally scheduled to be held in Gwangju, but due to COVID-19, it is necessary to hold the congress virtually. The date has been postponed for a year, and thus the congress was renamed as the SIL2021. Because the revised congress will be virtual, the schedule with the scientific program is changed. With the live opening ceremony, the SIL2021 will begin from 22nd to 27th August, 2021. The congress is in the virtual realm, concentrating on cooperation in an electronic environment.

Following the needs of the society to ensure a healthy aquatic ecosystem and their relationships with humans, the theme of the congress is "Biodiversity and Ecosystem Services for Healthy Rivers, Lakes and Humans". Another important purpose of the congress is to promote open discussions on new scholarly findings and pioneer research in the field of limnology to foster knowledge transfer to scientists and researchers worldwide. Although the COVID-19 hinders us from face-to-face communication, nothing can stop the passion for the challenges for limnologists. To hold this congress safely and actively, SIL and the Local Organizing Committee(LOC) are dedicated to provide a format that best serves SIL and a comfortable forum for academic exchange and networking among the SIL members.

In the challenging situation, SIL and the LOC will embrace a program that includes speakers from various geographical backgrounds as well as balanced gender representation. In addition, the planned diverse program for students and early career limnologists to broaden their academic perspectives will be opened. Thus, please sustain your interest in the oncoming SIL 2021.

We appreciate generous supports from the Ministry of Environment, Gwangju Metropolitan City, and K-water.

We hope to see you in health and safe at SIL2021!

LEE Hakyong

Co-chair of Organizing Committee of SIL2021

JOO Gea-Jae

Co-chair of Organizing Committee of SIL2021

Program at a Glance

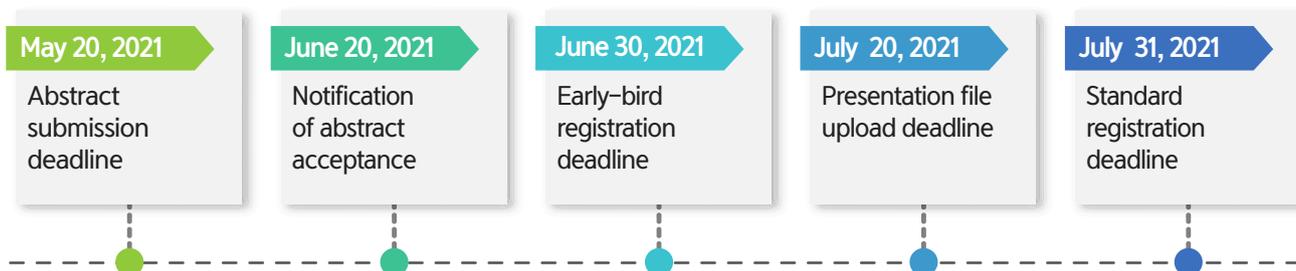
(☺) Live Streaming On-site programs

KST (GMT+9)	Aug, 22 (Sun)	Aug, 23 (Mon)	Aug, 24 (Tue)	Aug, 25 (Wed)	Aug, 26 (Thu)	Aug, 27 (Fri)
All day	Oral / Posters / Photo & Video contest / Auction & Job market					
08:00-09:00	(☺) Short courses	Stream Health Workshop (Korean)			(☺) Oral Presentation Q&A sessions	
09:00-10:00						
10:00-11:00						
11:00-12:00						
12:00-13:00						
13:00-14:00						
14:00-15:00						
15:00-15:30						
15:30-16:00						
16:00-17:00						
17:00-18:00						
18:00-19:00		(☺) Oral Presentation Q&A sessions	(☺) Oral Presentation Q&A sessions			
19:00-20:00	Opening ceremony (Presidential address) (☺)					
20:00-21:00	Plenary lecture 1,2 (Korean) (☺)					
21:00-21:30	1st Nat'l representative meeting					
21:30-22:00	Welcome reception					
22:00-22:30		(☺) Plenary lecture 3 / Kilham lecture	(☺) Plenary lectures 4,5	(☺) Baldi lecture		
22:30-23:00				(☺) Closing ceremony (SIL award remarks)		
23:00-24:00			(☺) Brain date with Eminent scholars	Working group meeting	(☺) Brain date with Eminent scholars	2nd Nat'l representative meeting

* The program is subject to change.

* The detailed schedule for oral session will be announced later.

Important Dates



Plenary Speakers

Baldi Memorial Lecture



Michele Burford

The Dean of Research Infrastructure of Griffith University and Professor at the Australian Rivers Institute, Australia

Kilham Memorial Lecture



Cayelan Carey

Associate Professor of Freshwater Ecosystem Ecology at the Department of Biological Sciences, Virginia Tech, USA

K-water Plenary Lectures



Ian Donohue

Professor, School of Natural Sciences, Department of Zoology, Trinity College Dublin, Ireland



Rodolphe Elie Gozlan

Professor, ISEM (Institute of Evolution Sciences of Montpellier), University of Montpellier, CNRS, IRD, EPHE, Montpellier, France



Soon-Jin Hwang

Professor, Department of Environmental Health Science, Konkuk University, Korea



Bomchul Kim

Professor, Department of Environmental Science, Kangwon National University, Korea



Shinichi Nakano

Professor, Center for Ecological Research, Kyoto University, Japan

Scientific Session Topics

Regular Session

- 01 Physical Limnology
- 02 Biogeochemistry in Aquatic Ecosystems
- 03 Role of Hydrology in Inland Waters
- 04 Plankton Ecology
- 05 Food Webs in Aquatic Ecosystems
- 06 Extreme Climate Events and Inland Waters
- 07 Resilience and Regime Shifts in Inland Waters
- 08 Ecosystem Functions and Services Relationships in Inland Waters
- 09 Paleolimnology
- 10 Biodiversity and Inland Waters
- 11 Ecotoxicology and Inland Waters
- 12 Spatial Ecology- Metacommunity
- 13 Remote Sensing and Inland Waters
- 14 Modeling in Inland Waters
- 15 Limnology in Tropical and Subtropical Regions of the World



Special Session

- 01 Eutrophication vs. Benthification: the Role of Aquatic Animals
- 02 Interactive Effects of Climate Change and Eutrophication upon Algal Bloom Dynamics
- 03 Multiple Interventions for Effective Lake Management
- 04 Carbon Source and Sink Dynamics in Inland Aquatic Systems: from Microbial Activities to Gas Emission
- 05 Ecology, Management and Conservation of Temporary Water Bodies
- 06 Beyond the River Boundary: Ecological Water-axis Connectivity from River to Ocean
- 07 Applications of Environmental DNA to the Ecological Monitoring and Assessment of Aquatic Ecosystems
- 08 Linking Eutrophication and Reoligotrophication to Carbon Sinks and Sources in Inland Waters Toward a Global Synthesis
- 09 Influences of Water level Fluctuation on Carbon Storage in Peatlands
- 10 Drivers and Interactions of Geochemical Processes and Microbial Assemblages beyond Ecosystem Boundaries
- 11 Trophic Pathways within and Across Ecosystems – Advances in Biomarker Research, Emerging Contaminants and Essential Dietary Nutrients
- 12 From White river to Green River: Cause, Impact and Outlook
- 13 Science-Policy Dialogue Towards Sustainable Tropical Lake Conservation and Management in Asia
- 14 Freshwater Biodiversity Monitoring and Assessment of Various Anthropogenic Disturbances
- 15 Networked Science to Tackle Ecosystem-scale Questions in Aquatic Sciences
- 16 Innovative water management technology of K-water and South Korea
- 17 Advanced applications of stable isotopes in aquatic ecology and environment

Short Courses

Overview

Date August 22 (Sunday), 2021

Participation type online Video meeting (e.g., Zoom etc.)

Short Course Registration

- Short courses require advance sign-up during congress registration.
 - The number of participants is limited.
 - Participation of short course is free of charge for all SIL members.
 - Looking for student assistants to help main lecturers in each short course!!
Please send your application to tapegrass.kim@gmail.com
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List of Short Courses

- SC-01 Chironomidae identification methodology
- SC-02 How to use stable isotopes in ecology and environmental study?
- SC-03 Long-term data analysis based on R
- SC-04 Ecological Applications of Bayesian Statistics -- with R and Stan
- SC-05 Spatial and individual-based models for ecological monitoring through simulation
- SC-06 Evolutionary Algorithms: Predictive and Explanatory Modelling of Freshwater Ecosystems by Learning from Ecological Data
- SC-07 Aquatic ecosystem modeling (PCLake and GLM-AED2)
- SC-08 From data to visualization and storytelling

Side Event

- **Brain date with Eminent Scholars**
 - Live streaming program with 10 eminent scholars
- **Photo Contest**
 - Categories : habitats, organisms, landscapes, etc
 - 10 awards will be given at the closing ceremony
- **Show me the River & Lake Wetland Video Contest**
 - 3 min video of research or field survey will be evaluated
 - 10 awards will be given at the closing ceremony
- **SIL Job Fair**
- **SIL Auction**

Awards for

- Naumann-Thienemann Medalists
- 3rd SIL student competition winner
- Photo & Video contest winners
- K-water presentation awards : 10-oral, 15-poster

Register Early and Save Up to \$50

Deadline for Early Registration is June 30, 2021.

Category		Early-bird		Standard	
		Until June 30, 2021		Until July 31, 2021	
Regular	SIL Member	USD 150	KRW 170,000	USD 200	KRW 230,000
	Non SIL Member	USD 200	KRW 230,000	USD 250	KRW 280,000
Student	SIL Member	USD 70	KRW 80,000	USD 100	KRW 120,000
	Non SIL Member	USD 100	KRW 120,000	USD 120	KRW 140,000

* Registration fee includes access to all sessions live and on demand virtually, and welcome reception.

Venue “The City of Light, Gwangju”

Gwangju, “The City of Light”, is located in the southwestern part of South Korea. The name of Gwangju was used for the first time in 940 during the Goryeo Dynasty. Gwangju is a city of the sun and light. As shown in the name, Gwangju has always played the role of salt and light in Korea. In the 1980s, the May 18th Democratic Uprising was a radiant beacon of democratization linked to the name of Gwangju.

Also, for centuries, Gwangju has been regarded as a city rich in culture and art. With diverse kinds of exhibitions and performances taking place, Gwangju acts as the “Home of the Arts”, staying vibrant and colorful.

- A Sacred Land of Democratization, Righteous City, Gwangju
- Artificial Intelligence Centered City: Economic Gwangju
- Asian Culture Center City, Elegant City, Gwangju
- Carbon-neutral Energy Self-reliant City

