

# QOS 2021

Quadrennial Ozone Symposium 2021

October 3 (Sunday) - 9 (Saturday), 2021

## CALL FOR ABSTRACT

### TOPICS

- A. Stratospheric ozone science
- B. Ozone-depleting substances, sources, sinks, and budgets
- C. Tropospheric ozone science
- D. Ozone, Climate, and Meteorology
- E. Ozone monitoring and measurement techniques
- F. Environmental and human health effects of atmospheric ozone and UV
- ★ Special session. Ozone science of GEMS mission

### IMPORTANT DATES



Start for abstract submission  
**March 1st 2021**



Deadline for abstract submission  
**May 31st 2021**



Deadline for pre-registration (Early Bird)  
**August 31st 2021**

### HOW TO SUBMIT?

- \* Abstract must be submitted online in both MS Word (\*.doc, \*.docx) and PDF format.
- \* Online Abstract Submission System:  
[genimice.com/qos2021/](http://genimice.com/qos2021/)

**STEP 1** Sign up or log into the online system

**STEP 2** Select a topic to present your abstract

**STEP 3** Fill out author information

**STEP 4** Upload your abstract files on the submission system and click the save button

**STEP 5** After the abstract submission, presenter will receive the confirmation letter by e-mail.

#### ORGANIZED BY



#### SUPPORTED BY



# QOS 2021

Quadrennial Ozone Symposium 2021

October 3 (Sunday) - 9 (Saturday), 2021

## WELCOME MESSAGE

I am very pleased to invite you to attend the Quadrennial Ozone Symposium (QOS) in South Korea, on 3 - 9 October, 2021. Despite its tiny fraction, ozone is a crucial gas in the Earth Atmosphere. The ozone layer in the stratosphere protects life on Earth by filtering out damaging ultraviolet radiation from the sun. In the troposphere, ozone is an important greenhouse gas and a strong pollutant at ground level. Since the last QOS that took place in Edinburgh in 2016, a variety of new developments have taken place on all facets of atmospheric ozone, including its observation and impact on human health and ecosystems. The Symposium's program addresses all these aspects. Through the foreseen keynote talks, presentations at the sessions and discussions at poster sessions and side events, QOS 2021 is of high interest for all scientists throughout the world interested in atmospheric ozone and more generally in the study of the Earth's atmosphere.



*Sophie Godin-Beekmann*

President of International Ozone Commission

Seoul is a mega-city with advanced modern technologies, and has a long history as the capital of Korea since 1394. The first ozone layer observation in Korea was done by Prof. Emeritus Hi-Ku Cho with the Dobson spectrophotometer in 1984 at the Department of Atmospheric Sciences, Yonsei University. Since then, ozone observation has been continued with the addition of Brewer Spectrophotometers, and Pandora instruments throughout the country. Surface ozone concentration has been also measured by the Ministry of Environment since 1989. These missions are to be followed by the launch of Geostationary Environment Monitoring Spectrometer (GEMS) in early 2020. We, LOC members would like to extend a warm and hearty welcome to you all. Hope you enjoy the symposium.

*Local Organizing Committee*

## KEYNOTE SPEAKERS



**Ulrike Langematz**

Institute of Meteorology, Freie Universität Berlin, Germany



**Amanda Maycock**

Institute for Atmospheric and Climate Science ICAS, University of Leeds, UK



**Neil Harris**

Centre for Environment and Agricultural Informatics, Cranfield University, UK



**Natalia Kramarova**

NASA, Goddard Space Flight Center, Greenbelt, Maryland, USA



**Sunyoung Park**

Kyungpook National University, Republic of Korea



**Marco Matuzzi**

Head of Office, Asia-Pacific Centre for Environment and Health World Health Organization, Regional Office for the Western Pacific WHO - WPRO Seoul, Republic of Korea



**Yuanhang Zhang**

Peking University, China