

## V. Program Schedule

### [ORAL] Session D. Ozone, Climate, and Meteorology

Date / Time (Wed.) October 6, 2021 / 13:40-15:00 (UTC)

Session Code WED2

Session Chair Masatomo Fujiwara, Andrew Klekociuk

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[WED2\_K] 13:40-13:55

**Keynote** The Impacts of Ozone on Climate Across Timescales

Amanda Maycock

Institute for Atmospheric and Climate Science (ICAS), University of Leeds, United Kingdom

[WED2\_1] 13:55-14:00

**Prescribing Stratospheric Ozone Aggravates Southern Hemisphere Climate Change during Austral Spring in Response to Quadrupled CO<sub>2</sub>**

Feng Li<sup>1,2</sup> and Paul Newman<sup>2</sup>

<sup>1</sup>USRA, USA, <sup>2</sup>NASA, USA

[WED2\_2] 14:00-14:05

**Robust Effects of Ozone Feedbacks on Surface Climate Following Spring Arctic Ozone Depletion**

Marina Friedel<sup>1</sup>, Gabriel Chiodo<sup>1,2</sup>, Andrea Stenke<sup>1</sup>, Daniela I.V. Domeisen<sup>1</sup>, Stephan Fueglistaler<sup>3</sup>, Julien Anet<sup>4</sup>, and Thomas Peter<sup>1</sup>

<sup>1</sup>ETH Zürich, Switzerland, <sup>2</sup>Columbia University, USA, <sup>3</sup>Princeton University, USA, <sup>4</sup>ZHAW School of Engineering, Switzerland

[WED2\_3] 14:05-14:10

**Enhanced Climate Response to Ozone Depletion from Ozone-Circulation Coupling**

Pu Lin<sup>1,2</sup> and Yi Ming<sup>2</sup>

<sup>1</sup>Princeton University, USA, <sup>2</sup>NOAA, USA

[WED2\_4] 14:10-14:15

**The Southern Annular Mode in CMIP6 Model Simulations**

Olaf Morgenstern

NIWA, New Zealand

[WED2\_6] 14:20-14:25

**Climate Change Favours Large Seasonal Loss of Arctic Ozone**

Peter von der Gathen<sup>1</sup>, Rigel Kivi<sup>2</sup>, Ingo Wohltmann<sup>1</sup>, Ross J. Salawitch<sup>3</sup>, and Markus Rex<sup>1,4</sup>

<sup>1</sup>Alfred Wegener Institute, Germany, <sup>2</sup>Finnish Meteorological Institute, Finland, <sup>3</sup>University of Maryland, USA, <sup>4</sup>Universität Potsdam, Germany

[WED2\_7] 14:25-14:30

**Shedding New Light on the Radiative Impacts of Ozone-Depleting Substances**

Gabriel Chiodo<sup>1,2</sup> and Lorenzo M. Polvani<sup>2,3</sup>

<sup>1</sup>ETH Zurich, Switzerland, <sup>2</sup>Columbia University, USA, <sup>3</sup>Lamont-Doherty Observatory, USA

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- [WED2\_8]** 14:30-14:35  
**Persistent Perturbations in the Composition of the Southern Hemisphere Stratosphere from the Australian New Year's Fires as Observed by the Aura Microwave Limb Sounder**  
Michelle L. Santee<sup>1</sup>, Alyn Lambert<sup>1</sup>, Lucien Froidevaux<sup>1</sup>, Gloria L. Manney<sup>2,3</sup>, Nathaniel J. Livesey<sup>1</sup>, Frank Werner<sup>1</sup>, Luis F. Millán<sup>1</sup>, William G. Read<sup>1</sup>, Jessica L. Neu<sup>1</sup>, and Michael J. Schwartz<sup>1</sup>  
<sup>1</sup>NASA, USA, <sup>2</sup>NorthWest Research Associates, USA, <sup>3</sup>New Mexico Tech, USA
- [WED2\_9]** 14:35-14:40  
**Stratospheric Ozone Depletion by the Australian Black Summer Wildfires from Satellite and Ground-Based Observations**  
Sergey Khaykin<sup>1</sup>, Sophie Godin-Beekmann<sup>1</sup>, Andrea Pazmiño<sup>1</sup>, A. Bazureau<sup>1</sup>, F. Goutail<sup>1</sup>, A. Hauchecorne<sup>1</sup>, and R. Querel<sup>2</sup>  
<sup>1</sup>LATMOS, France, <sup>2</sup>NIWA, New Zealand
- [WED2\_10]** 14:40-14:45  
**Stratospheric Temperature and Ozone Anomalies Associated with the 2020 Australian Bushfires**  
L. A. Rieger<sup>1</sup>, W. J. Randel<sup>2</sup>, A. E. Bourassa<sup>1</sup>, and S. Solomon<sup>3</sup>  
<sup>1</sup>University of Saskatchewan, Canada, <sup>2</sup>NCAR, USA, <sup>3</sup>MIT, USA
- Q&A** 14:45-15:00