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Global Environmental Measurement and Monitoring

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To best adapt to climate change, we need to accurately predict the climate along with its effects on the earth. This of course is an incredible challenge that we are facing and requires a more extensive network of environmental measurements of the atmosphere, geosphere, cryosphere, hydrosphere and biosphere than can be currently achieved. To help spur the development of needed environmental measurements, Optica in collaboration with AGU has launched the GEMM initiative. The GEMM initiative is focusing on having scientists and engineers working across disciplines both in sensor technologies and environmental science collaborate. GEMM is also bringing together scientists and public policy makers for better communication and a more effective response to the new challenges imposed by climate change. At the University of Waterloo, we have recently launched a new GEMM node. We have explored starting a Canada wide GEMM initiative.

Presenter: STRICKLAND, Donna (U Waterloo)

Session Classification: (DCMMP) T3-4 Special Session - Physics, Climate change, and the transition to sustainability / Physique, changement climatique et transition vers la durabilité (DPMCM)