SHORT COURSE ON CM- AND MM-WAVELENGTH RADAR APPLICATIONS

SHORT COURSE ORGANIZERS

Pavlos Kollias, Edward Luke, Stefan Kneifel, Alessandro Battaglia and Frederic Tridon

AMS COMMITTEE ON RADAR METEOROLOGY

Stephen Nesbitt, Chairperson

Lawrence Carey, Scott Giangrande, Martin Hagen, Robert Palmer, Thomas Rickenbach, Angela Rowe, Robin Tanamachi, Ali Tokay, Jothiram Vivekanandan, Christopher Williams, Daniel Stechman

SUN 13 SEP

8:30 A.M.	**ARRIVAL AND INTRODUCTIONS**. Pavlos Kollias, McGill University
8:45 A.M.	**INTRODUCTION TO CM/MM-WAVELENGTH RADARS: HARDWARE, SIGNAL PROCESSING, RADAR OBSERVABLES** Alessandro Battaglia, University of Leicester
10:00 A.M.	**COFFEE BREAK**
10:15 A.M.	**FORWARD MODELING OF RADAR DOPPLER SPECTRA: MICROPHYSICS AND SCATTERING** Stefan Kneifel, University of Cologne
10:45 A.M.	**FORWARD MODELING OF RADAR DOPPLER SPECTRA: DYNAMICS AND SAMPLING** Frederic Tridon, University of Leicester
11:15 A.M.	**THE BNL VISUALIZATION AND ANALYSIS SOFTWARE PACKAGE:** Edward Luke, Brookhaven National Laboratory
12:00 P.M.	**SHORT COURSE LUNCHEON (included).**
1:00 P.M.	**HANDS ON LABORATORY: CM/MM-WAVELENGHT PROFILING OBSERVATIONS OF DRIZZLE** Edward Luke, Brookhaven National Laboratory
2:00 P.M.	**HANDS ON LABORATORY: CM/MM-WAVELENGHT PROFILING OBSERVATIONS OF RAIN** Frederic Tridon, University of Leicester
3:00 P.M.	**COFFEE BREAK**
3:15 P.M.	**HANDS ON LABORATORY: CM/MM-WAVELENGHT PROFILING OBSERVATIONS OF SNOW** Stefan Kneifel, University of Cologne
4:15 P.M.	**SYNERGISTIC SCANNING CM/MM-WAVELENGTH RADAR OBSERVATIONS** Pavlos Kollias, McGill University
4:45 P.M.	**PANEL DISCUSSION/BRAINSTORM SESSION WITH AUDIENCE—HOW CAN WE BEST COMBINE CM/MM RADAR OBSERVATIONS?** Pavlos Kollias, McGill University; Alessandro Battaglia, University of Leicester; Stefan Kneifel, University of Cologne; Edward Luke, Brookhaven National Laboratory and Frederic Tridon, University of Leicester