

8th International EarthCARE Science Workshop

25 – 27 November 2019, Chikushi Campus, Kyushu University, Fukuoka, Japan.

The Earth Clouds, Aerosol and Radiation Explorer (EarthCARE) is a joint European/Japanese (ESA/JAXA/NICT) mission. 94GHz-Doppler cloud profiling radar, high spectral resolution lidar operated at 355nm, multi spectral imager and broad band radiometer will be employed. The combination of these instruments will provide three-dimensional distribution of clouds with vertical motion, aerosols, and precipitation and their radiative characteristics.

The eighth international EarthCARE workshop will be held in Fukuoka in 25 – 27 November 2019, following the seventh international EarthCARE Science Workshop held at Bonn in June 2018. The workshop will provide an excellent opportunity to understand the significances and challenges of the EarthCARE mission. The international science community is invited in the EarthCARE workshop. The workshop will focus on clouds, aerosols, radiation, cloud feedback, precipitation, climate change predictions, numerical weather predictions, and extreme events. We expect presentations and discussions from science communities of EarthCARE, Aeolus, CloudSat, CALIPSO, MODIS, CERES, GPM, GCOM, and Himawari, as well as high resolution global modeling (such as the DYAMOND Initiative), GCM, NWP, Assimilations, climate change predictions and modeling extreme weather events.

Workshop Chairs:

Hajime Okamoto (Kyushu University), Anthony Illingworth (University of Reading), Riko Oki (JAXA), Tobias Wehr (ESA).

Workshop Science Committee:

Zhien Wang (University of Colorado Boulder, US), Seiji Kato (NASA Langley, US), Masaki Satoh (University of Tokyo), Kentaroh Suzuki (University of Tokyo), Tomoaki Nishizawa (NIES), Takashi Nakajima (Tokai University), Kaori Sato (Kyushu University), Takuji Kubota (JAXA), Chikako Takahashi (JAXA), Yuji Ohno (NICT), Teruyuki Nakajima (JAXA), Nobuhiro Takahashi (Nagoya University), Ulla Wandinger

(TROPOS, Germany), Luca Baldini (CNR ISAC, Italy), Alessandro Battaglia (Univ. of Leicester, UK), Helene Chepfer (LMD/IPSL, France), Nicolas Clerbaux (RMIB, Belgium), Jason Cole (Environment Canada), Julien Delanoë (LATMOS, France), David Donovan (KNMI, The Netherlands), Jürgen Fischer (Free University of Berlin, Germany), Silke Gross (DLR, Germany), Robin Hogan (ECMWF, UK), Rob Koopman (ESA/ESTEC, The Netherlands), Anna Luebke (Max-Planck-Institute for Meteorology, Germany), Pavlos Kollias (Stony Brook University, US), Riko Oki (JAXA), Tobias Wehr (ESA), Anthony Illingworth (University of Reading, UK), Hajime Okamoto (Kyushu University).

The workshop will be supported by JAXA, ESA, NICT, The Center for Integrated Research on Atmospheric Physics (CIRAP), Kyushu University, and Research Institute for Applied Mechanics (RIAM), Kyushu University.

Program:

25 November 13:00-18:00 : The first day

26 November 9:00-18:00 : Second day

27 November 9:00-12:00 : Final day.

Important dates:

First announcement : 1 August 2019

Registration and abstract submission open : 10 August 2019

Deadline abstract submission : 10 September 2019

Author notification : 10 October 2019

Program: 20 October 2019

Contact:

Miyuki Fukagawa

fukagawa@riam.kyushu-u.ac.jp