

AIMS

The conference will summarize the scientific results obtained during the first three years of the Transregional Collaborative Research Center TR 172 on **Arctic Amplification (AC)³**, and discuss them in context with the international research community. Distinguished guest speakers will talk about recent highlights and current hypotheses in the field of Arctic climate research. Talks and posters will be presented in five sessions corresponding to the five (AC)³ clusters. The (AC)³ "Best Poster Prize" will be awarded. The conference is supposed to promote scientific exchange and identify key tasks to be addressed in near-future Arctic climate research. It is open to scientists presenting (AC)³ relevant topics, also beyond the framework of (AC)³.



SESSIONS

- A** Fluxes in the Arctic Boundary Layer
- B** Clouds; Aerosols & Water Vapour
- C** Surface Atmosphere Interactions:
Processing & Trace Constituents
- D** Atmospheric Circulation & Transport
- E** Intergration & Synthesis



LOCATION

Klimahaus Bremerhaven
Am Längengrad 8
27568 Bremerhaven

COORDINATION

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2nd (AC)³ Science Conference on Arctic Amplification

12 - 14 November 2018 | Bremerhaven

TRANSREGIO TR 172
LEIPZIG | BREMEN | KÖLN

ac3-tr.de

funded by

DFG Deutsche
Forschungsgemeinschaft



Universität Bremen



INVITATION

On behalf of the Transregional Collaborative Research Center TR 172 on **Arctic Amplification: Climate Relevant Atmospheric and Surface Processes, and Feedback Mechanisms (AC)³** we cordially invite you to attend the 2nd (AC)³ Science Conference which will take place in Bremerhaven, Germany from 12 to 14 November 2018.

AGENDA

Monday, 12 November 2018

Ice Breaker

Tuesday, 13 November 2018

Session A

Fluxes in the Arctic Boundary Layer

Invited Speaker: Michael Tjernström (*Stockholm University*) - "Boundary-Layer Fluxes: How do they relate to the bigger picture?"

Session B

Clouds; Aerosols & Water Vapour

Invited Speaker: Matt Shupe (*NOAA*) - "Observed Radiation-Cloud Processes and their Impact on the Arctic Surface"

LIM / Felix Lauermann, 2017

Session C

Surface Atmosphere Interactions: Processing & Trace Constituents

Invited Speaker: Alexander Kokhanovsky (*VITROCISET*) - "The OLCI Snow Products: Algorithms and Examples from Sentinel-3A"

Poster Session A - C

Invited Speaker: Eleonora Zege (*NAS of Belarus*) - "Satellite Remote Sensing of Ice Cover in the Arctic: Approaches, Software, Validation"

Social Event Deutsches Auswandererhaus: Exhibition and Conference Dinner

Wednesday, 14 November 2018

Session D

Atmospheric Circulation & Transport

Invited Speaker: Timo Vihma (*FMI*) - "The Role of Atmospheric Circulation on Extreme Weather Events in the Arctic"

Session E

Integration & Synthesis

Invited Speaker: Damao Zhang (*Brookhaven National Laboratory*) - "Multi-Sensor, Multi-Platform Observations of Mixed-Phase Clouds"

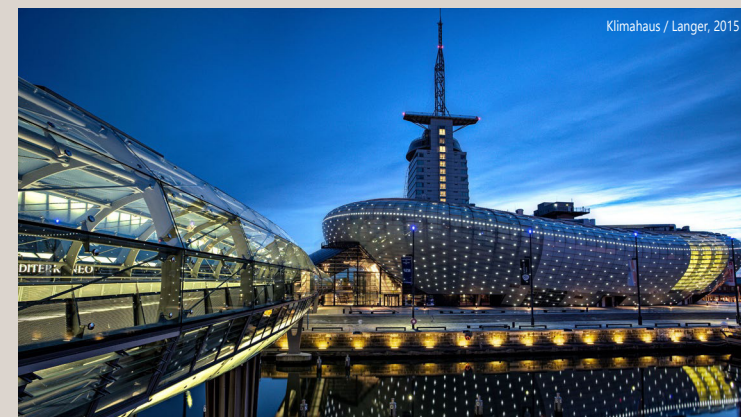
Poster Session D - E

(AC)³ General assembly

ORGANIZING TEAM

Manfred Wendisch	University of Leipzig
Christa Engler	University of Leipzig
Susanne Crewell	University of Cologne
Justus Notholt	University of Bremen
Christof Lüpkes	AWI Bremerhaven
Stephanie Carstensen	AWI Bremerhaven

We are looking forward to welcoming you to our conference in Bremerhaven!



DEADLINES & REGISTRATION

Abstract submission:

until **01 October 2018**
to **admin@ac3-tr.de**

Conference registration:

until **31 October 2018**
at **<http://ac3-tr.de/meetings>**

