

# FESSTVaL Summer School 2020

## 'Observing and understanding submesoscale atmospheric dynamics'

### Call for Applications

(Session Period 13-24 July 2020)

#### General information

FESSTVaL (Field Experiment on submesoscale spatio-temporal variability in Lindenberg) is a measurement campaign initiated by the Hans-Ertel-Center for Weather Research. It will take place in the summer months 2020 at the Meteorological Observatory Lindenberg - Richard-Aßmann-Observatorium (MOL-RAO) of the German Meteorological Service (DWD) near Berlin.

During the intensive observation period in July 2020, a Summer School is offered by the participating scientists of FESSTVaL, complemented by additional lecturers. As FESSTVaL is a joint project of about a dozen scientists from seven different institutions in Germany, most of them being junior scientists (PhD and Postdoc), the working environment is dynamic and expert knowledge is brought together.

For further information on the campaign, please visit [www.fesstval.de](http://www.fesstval.de)

#### 1 Subject/Curriculum

The seminars, group projects and lectures during FESSTVaL Summer School are offered by national and international experts. The twelve day long intensive program will provide participants with insights into observing and understanding submesoscale atmospheric dynamics, such as convective scale observations from different platforms, submesoscale dynamics and modeling. Selective lecturers:

- Sara C. Pryor, Cornell University Ithaca, USA
- Irina Sandu, ECMWF
- Dave Turner, NOAA-ESRL, USA

- Felix Ament, University of Hamburg
- Frank Beyrich, German Meteorological Service DWD
- Susanne Crewell, University Köln
- Cathy Hohenegger, Max-Planck-Institute for Meteorology
- Daniel Klocke, German Meteorological Service DWD
- Henning Rust, Freie Universität Berlin
- Linda Schlemmer, German Meteorological Service DWD

Example topics:

- An introduction to the coupled land atmospheric boundary layer system, lecture
- Confronting models with observations – model evaluation, lecture
- Quantifying and comparing the variability observed by the station networks, hands on data
- Analysis of ABL sub-mesoscale scale variability by means of additional, time-synchronous radiosonde ascents and remote sensing profiles distributed around the FESSTVaL domain, group work

## 2 Where and When

The Summer School takes place from 13 to 24 July 2020 in an area around Scharmützelsee (Brandenburg) near Berlin at the MOL-RAO. It includes ten days of lectures, one excursion day and one day off at free disposal. Accommodation will be in double rooms at "Ferienhäuser Scharmützelsee", Wendisch Rietz in multi-person cottages ([www.ferienpark-scharmuetzelsee.de/unterkuenfte](http://www.ferienpark-scharmuetzelsee.de/unterkuenfte)). Dinner will be organized as self catering.

## 3 Requirements of Applicants/Admission

The course is aimed to MSc and PhD students and Postdocs in meteorology, physics and related research areas from anywhere in the world. Fluency in English is mandatory.

## 4 Course Fee and Grants

The approximate fee for participants is 750 Euro (exact amount will be declared upon acceptance of application). It covers accommodation, coffee breaks (ten days), breakfast and lunch (ten days), ice breaker, one evening BBQ and one day excursion. Travel expenses are to be paid individually.

A limited number of partial grants are available to support the attendance of selected participants, with priority given to participants from developing countries. For funding opportunities please contact [fesstval-summer-school@met.fu-berlin.de](mailto:fesstval-summer-school@met.fu-berlin.de)

## 5 Applications

Applications can be submitted from 16 September until 30 November 2019. The applicant must provide

- the filled out application form named `FirstName_LastName_application.pdf` (can be downloaded from [www.fesstval.de/summer-school/application](http://www.fesstval.de/summer-school/application))
- including a letter of motivation (max. 3,000 characters), in which the applicant presents the reasons of interests and the potential connection to his/her current research

plus an additional pdf file named `FirstName_LastName_documents.pdf` containing the following documents

- CV (max. 2 pages)
- certificate of study (if applicable)
- a brief statement of recommendation by a supervisor

The two separate pdf files are to be send via email to

**[fesstval-summer-school@met.fu-berlin.de](mailto:fesstval-summer-school@met.fu-berlin.de)**

before 30 November 2019. FESSTVaL will send an acknowledgment of receipt within one week. Otherwise, please contact us.

For more information, please visit our website [www.fesstval.de](http://www.fesstval.de) or contact us directly via [fesstval-summer-school@met.fu-berlin.de](mailto:fesstval-summer-school@met.fu-berlin.de)