Contribution ID: **178** Type: **Oral Presentation**

An International Experiment on Atmospheric effects in False Bay, South Africa

Tuesday, 4 July 2017 15:00 (20 minutes)

The First European South African Transmission Experiment (FESTER) was conducted in False Bay, South Africa from April 2015 through February 2016. The Institute for Maritime Technology (IMT)in Simon's Town, South Africa collaborated with the Netherlands Research Organisation (TNO), the Fraunhofer Institute for Optronics, System Technologies and Image Exploitation (IOSB), Germany and the Norwegian Defence Research Establishment during the experiment. One of the objectives of the experiment was to characterize the local influence on transmission, refraction and optical turbulence. During the experiment a wide variety of environmental conditions were encountered and several equipment were deployed at different locations in False Bay to quantify the atmospheric effects. Additional measurements were done to determine the steady state and dynamic infrared signatures of maritime targets. An overview of the experiment will be given and some results will be shown.

Apply to be
 considered for a student
   award (Yes / No)?

No

Level for award
 (Hons, MSc,
   PhD, N/A)?

N/A

Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?

No

Primary author: Mrs FEBRUARY, Faith (Institute for Maritime Technology)

Co-author: Dr GUNTER, Willem (Institute for Maritime Technology)

Presenter: Mrs FEBRUARY, Faith (Institute for Maritime Technology)

Session Classification: Applied Physics

Track Classification: Track F - Applied Physics