



ALVISE VIANELLO

PhD defence

**A JOURNEY INTO MICROPLASTIC
ANALYSIS USING FTIR
SPECTROSCOPY**

**30. APRIL 2020
KL. 13-17**

Due to the Covid-19 situation, the PhD defence
will be carried out via Skype for Business.



DEPARTMENT OF THE BUILT ENVIRONMENT
AALBORG UNIVERSITY

PHD DEFENCE BY ALVISE VIANELLO

A Journey into Microplastic Analysis using FTIR Spectroscopy

PhD defense organized by Department of the Built Environment, Aalborg University

TIME

Thursday 30 April 2020, 13:00 – approx.17:00

HOW TO PARTICIPATE

Due to the Covid-19 situation, the PhD defence will be carried out via Skype for Business. Please send an email to [Linda Vabbersgaard Andersen](mailto:Linda.Vabbersgaard@byg.aau.dk) no later than 28 April 2020 and you will get an invite for the event or a copy of thesis if requested.

SUMMARY OF THE THESIS

Alvise Vianello will present his thesis "A journey into microplastic analysis using FTIR spectroscopy", describing the significant contribution of infrared spectroscopy to the development of microplastic analytics through his experimental studies. From studying the distribution of microplastics in coastal waters and sediments to assessing human exposure to airborne microplastics, the experimental studies highlight the broad applicability of infrared spectroscopy for the analysis of microplastics in different environmental matrices, as well as its evolution over time.

ASSESSMENT COMMITTEE

- Assoc. Prof. Jesper Ellerbæk Nielsen, Dept. of the Built Environment, AAU (chairman)
- Senior Research Scientist, Yvonne Shashoua, National Museum of Denmark, Denmark
- Senior Research Scientist, Alessio Gomiero, NORCE Norwegian Research Centre AS, Norway

PHD SUPERVISORS

- Supervisor, Prof. Jes Vollertsen, Dept. of the Built Environment, AAU

MODERATOR

- Assoc. Prof. Søren Thorndahl, Dept. of the Built Environment, AAU

GRADUATE PROGRAMME

- Civil Engineering

PROGRAM

13:00: Welcome by Moderator

13:05: Lecture and presentation by Ph.D. student (45 min)

13:50: Break

During the break, participants can email questions to the chairman, Søren Liedtke Thorndahl st@build.aau.dk.

If such are received, the questioner puts them forward after the assessment committee has finalized their question and answer round

14:00: The assessment committee is asking questions to the work

16:00: End of defense. The assessment committee enters another "room", evaluates and writes the final assessment

16:45 (approx.): The assessment committee rejoins the "Defence room" and announces its decision

17:00: End of event