



FINNISH SOCIETY  
FOR ENVIRONMENTAL SCIENCE  
YMPÄRISTÖTIETEELLINEN SEURA RY

## The Finnish Conference for Environmental Science

10.-11.12.2019

Mikkeli, Finland



South-Eastern Finland  
University of Applied Sciences



MAJ AND TOR NESSLING FOUNDATION



Federation of Finnish  
Learned Societies

## General information:

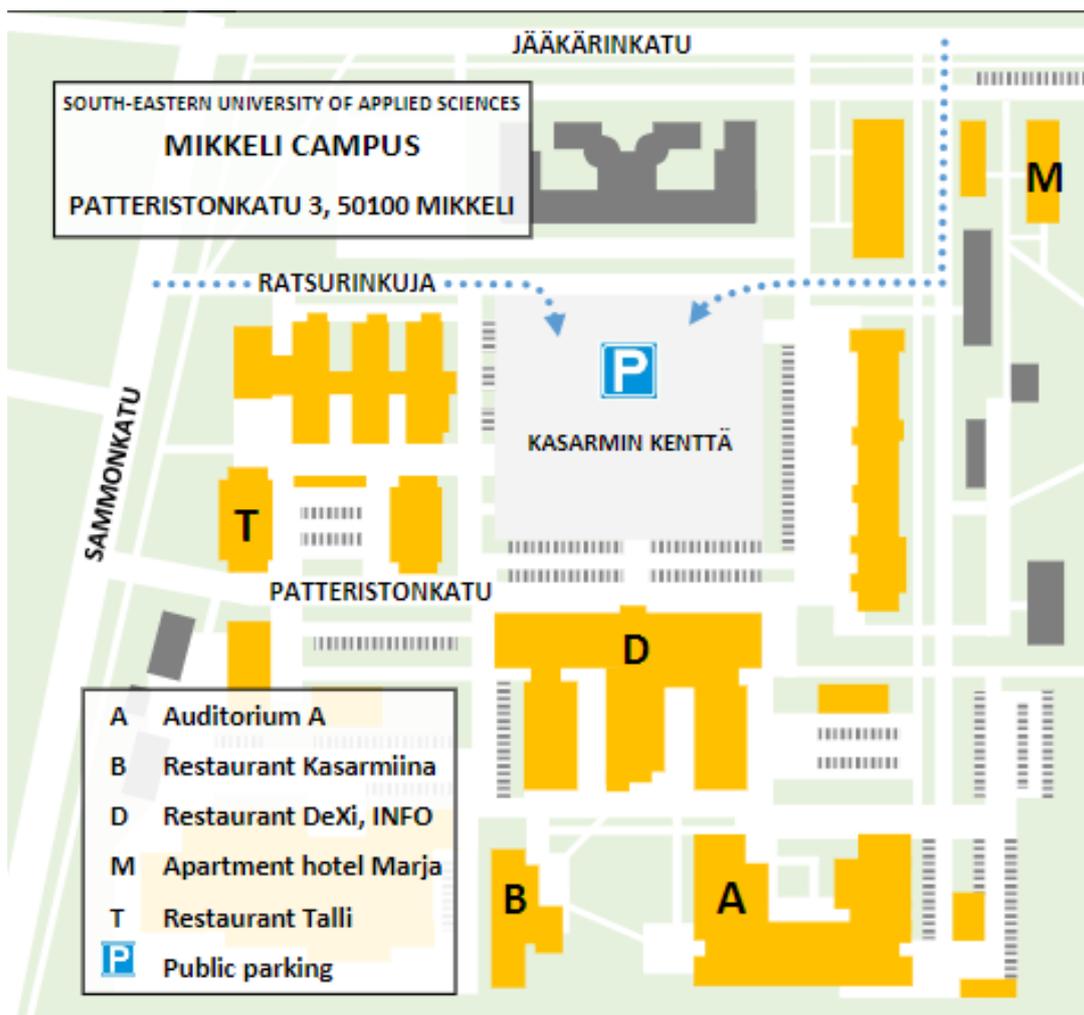
**Location:** South-Eastern University of Applied Sciences  
Mikkeli Campus  
Patteristonkatu 3, 50100 Mikkeli  
A-Building,  
Seminar, Room A117  
Poster Session, Room A235

**Arrival:** The walk from the train and bus station is approximately 20 minutes. You can also take a taxi from the station.

**Parking:** The parking place can be full in the middle of week. It is best to arrive early.

**Registration:** Registration is at the main entrance of building A.

**Lunch:** You can have lunch at campus restaurants Dexi, Kasarmiina or Talli.



## PROGRAM 10.12.2019 TUESDAY

11:00-12:00 Registration

12:00-12:10 **Chair Mari Joensuu:** Opening words

12:10-12:40 **Pami Aalto:** How to promote sustainability transitions in road transport?

12:40-13:00 **Sini Saarimaa:** Adaptable housing for sustainable urban growth - looking back to see forward

13:00-13:20 **Raysa França:** How dogs become invaders? Dog occupation in Tijuca national park, Rio de Janeiro

13:20-14:15 POSTER SESSION & COFFEE

14:15-14:45 **Marianne Thomsen:** Biowaste and blue biomass valorization

14:45-15:05 **Katri Senilä:** Safety of biosolid-based fertilisers

15:05-15:25 **Jarkko Akkanen:** Carbon amendment technology for environmental remediation

15:25-15:45 **Timo Ilo:** Topic coming soon!

16:00-16:45 Get together for students

19:00-22:00 **Conference Dinner**, Restaurant Talli

**Additional program (in Finnish) at Mikkelin Yliopistokeskuksen Auditorio, Lönnrotinkatu 5 (1,4 km from the Campus)**

17:00-18:30 Toivoa ja tekoja ympäristöahdistuksen taltuttamiseen (**Panu Pihkala ja Essi Aarnio-Linnavuori**)

## PROGRAM 11.12.2019 WEDNESDAY

08:30-09:00 Registration and coffee

09:00-09:30 **Panu Jouhkimo:** Mikkeli taking lead in circular economy: Ecosairila development platform and industrial area

09:30-09:55 **Jenni Kitti:** Experiences on participatory assessment tool involvement in environmental water quality monitoring

09:55-10:15 **Eeva-Riikka Vehniäinen:** Mechanisms of developmental toxicity of polycyclic aromatic hydrocarbons in fish

10:15-10:35 **Cyril Rigaud:** Combining omics for a better understanding of the cardiotoxic mechanisms of individual PAHs in fish early life stages

10:35-11:30 Lunch

11:30-11:50 **Andreas Eriksson:** Toxicity profiling: developing rainbow trout exposed to individual and binary mixtures of PAHs

11:50-12:10 **Victor Carrasco Navarro:** Toxicity of tire rubber, PS and PLA microplastics to *Chironomus riparius*

12:10-12:30 **OPEN SLOT**

12:30-13:00 Awarding Ceremony

13:00-13:15 Closing words

## POSTER PRESENTATIONS ON 10.12.2019 (ROOM A235)

1. **THERESA SANDMANN**  
Effect of coloured mulch films on the landing behaviour of winged aphids
2. **LAURA TUOMINEN**  
Cooperation, evolution and resource management
3. **BHABISHYA GURUNG**  
Novel sorbent amendments for environmental remediation
4. **YIHUA XIAO**  
Unraveling long-term changes in lake color based on optical properties of sediment dissolved organic matter
5. **VICTOR CARRASCO NAVARRO**  
Toxicity of neonicotinoids and other pesticides to *Chironomus riparius*: pulse, chronic and multigenerational tests
6. **MIKA KÄHKÖNEN**  
Effects of holmium and lithium to the growth of basidiomycetous fungi and their ability to degrade textil dyes
7. **TUIJA RANTA-KORHONEN**  
Biocom project: Bioeconomy promotion in border rural areas
8. **RIINA TUOMINEN**  
Predictability of wastewater amount
9. **HANNE SOININEN**  
Effect of MBR sludge on anaerobic digestion in continuous bioreactors
10. **SALLA PULLIAINEN**  
VOC-online – development of online sensor technology to ensure healthy indoor climate
11. **NIINA LAURILA:**  
Cleaning of landfill leachate with biochar

# Instructions for the presenters

## **Oral presentations**

Length: 15 minutes + 1-2 min for the questions.

Format: Power point and pdf –formats preferred. If you are planning to use other formats (like Prezi), please inform us well before your presentation.

Presentations are uploaded on Tuesday 10.12.2019 before the seminar. Please arrive on time or send your presentations: [juho.rajala@xamk.fi](mailto:juho.rajala@xamk.fi)

## **Poster presentations**

Vertical A0 (or similar) posters preferred. If you have a horizontal poster, please inform us before the seminar. You can also use a smaller poster. The number of your poster presentation indicates the place where you can attach your poster. You will receive pins at the poster room.

You can attach your poster on the wall after the registration, before the seminar starts. We will guide you to the room.

## Student grants

If you are a Master or a PhD student and a member of the Society, you can apply for a student grant. Grant can be used on accommodation and transport (by cheapest rate; accommodation in a hostel and public transport).

The cheapest option to stay in Mikkeli is the hostel "Marjan matkakoti". It is located right next to the campus (red wooden building). The cost for a night is 30 € in a shared room. When you book the accommodation, remember to inform your attendance to the conference in order to get the lower rate.

If there are no longer rooms available or you wish to stay in the hotel, the grant will cover 30 € of your accommodation cost.

Mark all the costs on the "Grant\_application" –form. Send it after the conference together with all the receipts/invoices to:

[Juho.rajala@xamk.fi](mailto:Juho.rajala@xamk.fi)

Topic: FSES Grant application

## Registration fees

If you have not paid your registration yet (due 1.12.2019) please do it as soon as possible. If you registered for the conference dinner, please pay it also together with the registration fee.

If you did not register for the dinner, unfortunately is not possible anymore.

If you need an invoice, please contact [juho.rajala@xamk.fi](mailto:juho.rajala@xamk.fi)

### **Registration fees:**

Members 50 € (PhD student 30 €, Master's student FREE)

Non-members 80 € (student 50 €, Master's student 30 €)

**Dinner on Tuesday:** 15 €

### **Bank Information:**

Finnish Society of Environmental Sciences

IBAN: FI77 8000 1771 0449 72

BIC: DABAFIHH

Due: 1.12.2019

## Contact information:

If any questions, do not hesitate to contact:

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Check also the information on our webpages: [www.fses.fi](http://www.fses.fi)