

3rd Seminar

Graduate University Study of Digital Agriculture

June 28th – July 2nd 2021

**Faculty of Agrobiotechnical Sciences Osijek (FAZOS) &
 Faculty of Electrical Engineering, Computer Science and Information
 Technology Osijek (FERIT)**

**University of Josip Juraj Strossmayer in Osijek
 Campus, Osijek, Croatia**

Provisional Schedule day by day

| Monday, June 28 th 2021 – Opening & Lectures | | |
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| 10 ⁰⁰ -15 ⁰⁰ | <ul style="list-style-type: none"> – The Opening Ceremony & Press Releases – Introduction to Seminar – <i>Graduate Study Programme in English Digital Agriculture</i> – General INFO – Snack Break | <p style="text-align: center;">FAZOS</p> <p style="text-align: center;">Campus Osijek</p> |
| Tuesday, June 29 th 2021 – Field Trip & Business Excursion | | |
| 10 ⁰⁰ -15 ⁰⁰ | Lectures & Presentations & Workshops Snack Break Lectures & Presentations & Workshops | <p style="text-align: center;">FAZOS</p> <p style="text-align: center;">Campus Osijek</p> |
| Wednesday, June 30 th 2021 – Field Trip & Lectures | | |
| 10 ⁰⁰ -15 ⁰⁰ | <p>Mapping of agricultural land with the help of unmanned aerial vehicles for the purpose of precision agriculture</p> Lectures & Presentations & Workshops Snack Break | <p style="text-align: center;">Kovačke livade</p> <p style="text-align: center;">FAZOS</p> <p style="text-align: center;">Campus Osijek</p> |
| Thursday, July 1 st 2021 – Lectures & Workshops | | |
| 10 ⁰⁰ -15 ⁰⁰ | Lectures & Presentations & Workshops Snack Break Lectures & Presentations & Workshops | <p style="text-align: center;">FAZOS</p> <p style="text-align: center;">Campus Osijek</p> |
| Friday, July 2 nd 2021 – Lectures & Workshops | | |
| 10 ⁰⁰ -15 ⁰⁰ | Lectures & Presentations & Workshops Snack Break Lectures & Presentations & Workshops | <p style="text-align: center;">FAZOS</p> <p style="text-align: center;">Campus Osijek</p> |

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Lectures & Presentations & Workshops

(provisional version - dates and hours are not final)

Monday, 28th June 2021

1. **Graduate Study Programme in English Digital Agriculture – General INFO**
Zdenko Lončarić, Faculty of Agrobiotechnical Sciences Osijek
Časlav Livada, Faculty of Electrical Engineering, Computer Science and Information Technology Osijek
45 min
2. **English in Digital Agriculture (Interactive Lessons Demo)**
Tihomir Živić, Faculty of Agrobiotechnical Sciences Osijek
60 min

Tuesday, 29th June 2021

1. **Graduate Study Programme Digital Agriculture: Course ICT-17 Models in plant protection**
Marija Ravlić, Faculty of Agrobiotechnical Sciences Osijek
15 min
2. **Creating the new proximal sensing node for plant physiological status – electronics, data science, agronomics**
Vlatko Galić, Agricultural Institute Osijek
45 min
3. **Animal farming and digital solutions – practical experiences of pilot projects in pig and poultry**
Marta Alexy, Eötvös Loránd University, Budapest, Hungary
20 min

Wednesday, 30th June 2021

1. **Mapping of agricultural land with the help of unmanned aerial vehicles for the purpose of precision agriculture (Field Trip & Lectures & Workshops)**
Ivan Plaščak & Department of Agricultural Engineering and Renewable Energy Resources, Faculty of Agrobiotechnical Sciences Osijek
4 hours

Thursday, 1st July 2021

- 1. Predictive modelling: assessing the yield and profitability of intercropped walnut orchards**
Helena Žalac, Faculty of Agrobiotechnical Sciences Osijek
30 min
- 2. Modelling microelements availability in soils**
Zdenko Lončarić, Faculty of Agrobiotechnical Sciences Osijek
30 min
- 3. Data Scientists in Agriculture – some use-cases from beekeeping**
Tomas Horvath, Eötvös Loránd University, Budapest, Hungary
30 min
- 4. Hyperspectral Imaging and Field Spectroscopy for Crops and Soils**
Andras Jung, Eötvös Loránd University, Budapest, Hungary
30 min

Friday, 2nd July 2021

- 1. Grass-fed meat & milk: Neither plowed nor hoed, but the food keeps coming**
Ranko Gantner, Faculty of Agrobiotechnical Sciences Osijek
15 min
- 2. A decision support system for field vegetable fertilization**
Zdenko Lončarić, Faculty of Agrobiotechnical Sciences Osijek
30 min