

**SPECIAL SESSION or WORKSHOP ON**  
**Digitalization in agriculture systems - new challenges:**  
**what to do with data?**

**IEEE SOSE'20**

**June 2-4, 2020, Budapest, Hungary**

**Proposers**

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**Description:** Digitalization in agriculture gives the base of the competitive production. Though both the ecological and economic advantages of precision agriculture (PA) were proved in the last two decades less was the spread of the technology in the practice. One big question is: what to do with the gathered data. Several surveys carried out there is uncertainty among farmers, participants on whole food-chain and politicians. This special session tries to summarize the sources of data (i.e. yield mapping, dynamics of harmful organisms, animal husbandry, meteorology, etc.), the way how to reap the benefits of optimal sustainability, competitiveness and gradual profitability, ensuring both the food safety and safe food production.

The goal of this special session is to make a platform for the scientists coming from different research fields, to synthesize their knowledge on digitalization in agriculture systems, not forgetting 'safe food from farm to table to feed society' the task of agriculture to get closer to sustainable file.

**Key words:** Original papers are invited from multidisciplinary perspectives on subject areas including, but not limited to:

• new solutions of PA technology	• plant protection forecast and treatment
• drone technology	• PA and profitability
• data analyses of production	• data and agricultural policy
• competences of digital agriculture	• education for digital agriculture

**SUBMISSION:** Papers must be submitted electronically for peer reviews by **March 31, 2020**. All papers must be written in English and should describe original work.

**DEADLINES**

March 31, 2020: Deadline for paper submission

April 20, 2020: Notification of paper acceptance/rejection

May 1, 2020: Deadline for final camera-ready papers