



IEEE ICC 2022

Special Session on

FOOD AND AGRICULTURAL ROBOTICS

 **ROBUTCHER**

Reykjavík, Iceland

July 6-9, 2022

www.conf.uni-obuda.hu/iccc2022

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Full paper submission: **April 19, 2022**

Notification deadline: **May 11, 2022**

Final paper submission: **June 8, 2022**

Organizers: *Óbuda University, Budapest, Hungary*

IEEE Hungary Section
Hungarian Fuzzy Association

Sponsored by: *IEEE Hungary Section*

IEEE Joint Chapter of IES and RAS,
Hungary

IEEE SMC Chapter, Hungary

IEEE Control Systems Chapter, Hungary

Technical Co-Sponsor: *IEEE SMC Society*



Introduction

Application of different machines in the agriculture sector has always been fundamental. The spread of robotics in the food-industry became necessary to keep up with the challenges and demands of the 21st century. The goal of this session is to present the latest trends and developments related to food and agricultural robotics, and to define the roadmap for future enhancements to these fields.

Indicative Topics/Areas

Original research articles and reviews are sought in the overall topical area of food and agricultural robotics, including but not limited to:

- Robotics in precision farming
- Smart agriculture with automation
- Mechatronics for harvesting
- Drones for agriculture
- Meat sector automation solutions
- Poultry production and automation
- Food system management
- Intelligent corps management
- Robotics for food processing
- Human-robot collaboration
- Safe human-robot interaction

Submissions

All submissions should comply with the formatting requirements of IEEE (4-7 pages):

www.ieee.org/conferences/publishing/templates.html

All papers go through the complete peer review procedure. Submission is possible via the ICC 2022 website:

<http://www.conf.uni-obuda.hu/iccc2022/paper.htm>

Accepted papers will appear in the IEEE Xplore.

Selected papers will be invited to the Special Issue of Acta Polytechnica Hungarica (IF 1.806): Latest advancement in intelligent agrifood solutions and robotic food processing