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Venue

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Peter-Jordan-Straße 76,
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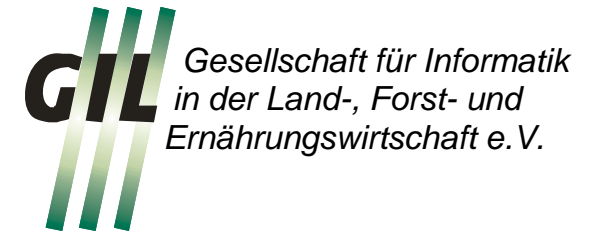
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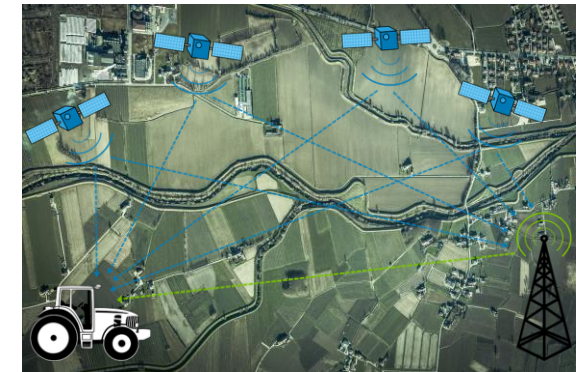
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Call for Papers

**Digitalization for farms in
small-scale regions - a con-
tradiction in terms?**



39th GIL Annual Meeting

Febr. 18th – Febr. 19th, 2019

**University of Natural Resources and Life
Sciences, Vienna**

Department of Sustainable Agricultural Systems
Institute of Agricultural Engineering

GIL e.V.

The main objective of the 'Gesellschaft für Informatik in der Land-, Forst- und Ernährungswirtschaft' (GIL e.V.) is the promotion of agricultural informatics in research, teaching and practice. This concerns the creation, evaluation and dissemination of theories, models, methods, tools and solutions for analysis, design, use and operation of information systems for agriculture, forestry and food industry. The annual meeting is intended to serve as a central meeting place for gaining knowledge and dissemination. It serves and directs to lecturers, students, users, experts and decision-makers in research, teaching, business, administration and politics.

The 39th GIL Annual Meeting is themed:

Digitalization for farms in small-scale regions - a contradiction in terms?

Digitalization is currently one of the hottest trends in agriculture. Open questions focus on the effects of digitalization and the acceptance of digital technologies in agriculture. For small structured regions it offers specific opportunities and results perhaps in problems that up to now, have received little research attention. Innovative ideas have to be proved in terms of functionality, costs and compatibility. Aspirations are translated into efficiency gains on farm level, reduced environmental impact and better animal health and thus increased animal welfare. Digital innovations shall ultimately lead e.g., through transparency and traceability to a higher level of social acceptance of agricultural production. This raises the question to develop sustainable concepts, especially in regions of small and medium sized farms to get an added value of digital technologies and to accelerate their development. Such concepts require efforts of all involved actors and stakeholders.

Starting points are ideas such as "Precision Farming Light" and cloud based systems, which support the shared machine use, simplify the use of services and of data obtained in the processes as well as support regional direct marketing. Furthermore, the development of autonomous field robotics in the future can facilitate labor intensive processes, and while adapted to small agricultural structures support them by including them in the digital progress.

Legal issues and aspects of data security are controversially discussed and are to be objectified accordingly. How does politics and consulting respond to the challenges posed by the digitization in agriculture? The GIL Annual Meeting 2019 in Vienna will address all the aspects mentioned above and will offer a professional forum for discussion.

The focus of this discussion will be on the following main concepts and questions:

1. What types of digital technology are particular appropriate for applications in regions where small farms dominate?
2. Which starting points and what potential does digitalization have for improving the position of small-scale agriculture companies in agricultural supply chains?
3. Key political issues that need to be addressed in order to promote the use of digital technologies in small structured agricultural areas.
4. Barriers to the acceptance of digital technology in small-farm dominated regions.
5. Efficient training methods for making use of these technologies.
6. Social acceptance of digitalization in agriculture.
7. Potential impacts of regulations of the EU and industry initiatives aiming at data protection and data sovereignty.

In addition to these key points, all presentations related to informatics in agriculture are welcome and encouraged.

Call for Papers

Issue	Deadline
Short abstract submission	31 August 2018
Preliminary Abstract acceptance	30 September 2018
Manuscript submission	31 October 2018

To submit short abstracts (1 page) and manuscripts for presentations, as well as posters, please use the templates provided at <https://www.conftool.com/gil2019/> (available beginning in mid-July). **If you face problems with conftool (German language) please send your short abstract to: GIL2019@boku.ac.at**

Abstracts that are accepted for further review will require subsequent submission of a 4-6 page manuscript for consideration and inclusion in the conference program. Two peer-reviewers will decide whether manuscripts will be included in the conference program and the conference proceedings, which will be published within the book series "GI-Edition Lecture Notes in Informatics".

Product Presentations

Software and hardware developers are encouraged to participate as conference sponsors, and will have the opportunity to present their development projects, products and services.

Conference Fee

Registration	before 31.12.18	from 01.01.19
1. Non-GIL members and PhD students	150 € 70 €	180 € 80 €
2. GIL members and PhD students	100 € 50 €	120 € 60 €
3. Students (please include copy of student card)	no fee	no fee

GIL members should provide the member numbers with their registration information. A one year GIL membership is only about 35€, thus, becoming a member has strong benefits for conference attendees. Information regarding conference registration, manuscript submission and product presentations can be found here:

<http://www.gil.de>