

# **DEVELOPMENT OF AGRICULTURAL ENGINEERING SCIENCE**

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The first part of the presentation will present the advances in agricultural engineering science from ancient times to the present day, highlighting the latest trends in advanced agricultural engineering solutions, including the prospects for digital technologies. The second part will present the development of agricultural engineering science and studies in Lithuania, celebrating the 75th anniversary of the establishment of the Faculty of Agricultural Engineering. The most important scientific and study achievements of teachers and students will be presented, the latest ongoing research projects and their most important results will be summarized. In detail, it is planned to present a new winning interdisciplinary high-level SMART project to improve winter wheat sowing technology based on research, telemetry systems and multifunctional VIS-NIR spectrometry, presenting the impact of variable rate sowing on crop yield under different soil management zones.