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This volume contains papers of the 36th GIL conference on modern information technology in the agriculture, forestry and food sectors with a focus on intelligent systems, thereby taking into account the state of the art as well as future options. The 52 papers cover a wide range of subjects from topics such as data management and interpretation, data protection, imaging, robotics, precision (livestock) farming, modelling, business planning tools and decision support or E-Learning. The conference was held at the University of Applied Sciences Osnabrück, Germany, from February 22 - 23, 2016.

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