

Feasibility study of a plant nursing robot performing weeding operations

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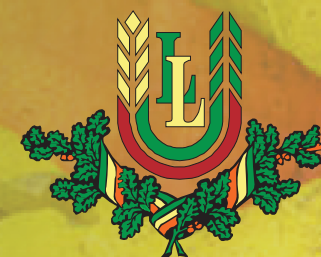


Modelling in Agriculture

Regulations

Presentations: 10 minutes
Discussions: 5 minutes

Language: English



18-20 October, 2007
Jelgava, Latvia

17 October

16:00-20:00 Arrivals

18 October

09:00-10:00 Registration

10:00-11:40 Plenary session

Silver room

Chairman: Pēteris Rivža

Seminar opening

Inese Huttunen “Large scale hydrological and phosphorus load modeling in Finland”

Tor Håkon Sivertsen “Discussing quantitative modelling and the concept of “sustainable agriculture””

Aldis Kārklīš “Modeling to support the soil science research”

12:00-13:00 Lunch

13:00-15:00 Presentations

Silver room

Chairman: Aldis Kārklīš

Viesturs Jansons “Water quality modeling in Berze river”

Laima Bērziņa, Andrejs Zujevs „Designing Fosfor Index Estimation Model by Multiobjective Optimization Genetic Algorithms”

Göte Bertilsson “Perspectives on soil carbon”

Ināra Turka, Gunita Bimsteine “Negfry model for the decision support of potato late blight control in Latvia”

V.Bardacenko, I.Turka “Modelling of honeybee fly in the GM crop growing Regions”

Egils Stalidzāns, Ādolfs Stalidzāns, Zigurds Markovičs “Bee wintering building modeling using Powersim 2.51”

Egils Stalidzāns, Zigurds Markovičs “Expert survey on topological model development for microclimate control in wintering bee colony”

Plume A., Dinaburga G. Lapins D., Vilde A., Berzins A. “Modelling of factor influence as a basis of the soil tillage and sowing technology differences”

15:00-15:30 Coffee break

15:30-17:45 Presentations

Silver room

Chairman: Viesturs Jansons

Ole Green “Feasibility study of a plant nursing robot performing weeding Operations”

Göte Bertilsson “Farming perspectives”

Andrejs Solomenikovs “Modelling Farmer’s Strategies under Uncertain Meteorological Conditions”

J.Korolova, D.Lapins “Modeling based on monitoring of weed occurrence”

Sergejs Arhipovs “Ontological Metamodeling and Visualization of Taxonomic Categories”

Ingus Šmits “Modeling forest management planning process”

Ivars Mozga, Egils Salidzāns “Metabolic Control Analysis tools in SBML Modeling software”

Uldis Grunde-Zeiferts, Egils Stalidzāns

“Recognition of biological control loops from biochemical network models”

Egils Stalidzāns “Artificial and biological control system approach in agricultural operations”

18:00-23:00 Dinner

19 October

09:00-10:00 Presentations

Silver room

Chairman: Irina Arhipova

Ilze Balode “The Models of the Household’s Demand System”

Evija Kopeika “Analysis of Labour Market and Investigation of Possible Forecasting”

Rita Freimane „VAR model evidence for the Effectiveness of Credit Channel in Latvia”

Pēteris Rivža “Decision making models in agriculture”

10:00-10:30 Coffee break

10:30-11:45 Presentations

Silver room

Chairman: Irina Arhipova

Mārtiņš Hāze “Indoor path loss measurement of wireless computer network signal”

Egils Stalidzāns “Development of multiparameter dynamic model under information insufficiency”

Inguna Ieviņa “Development of Latvia's Long Term Labour Market Forecasting Model in Powersim Environment”

Jānis Ošs "The objects of wood resource of flow and analyses of influence"

Rūdolfs Ozoliņš “Mathematical modeling of forest stands”

12:00-13:00 Lunch

13:00-18:00 Excursion to Rundale palace

20 October

10:00-14:00 Excursion to Tervete