MY-X Research Team

my-X.hu

NO-BLE Ideas



SZIU - Faculty of Agriculture and Environmental Sciences



Ministry for National Economy



Seacon-Europe Kft.



Sealog



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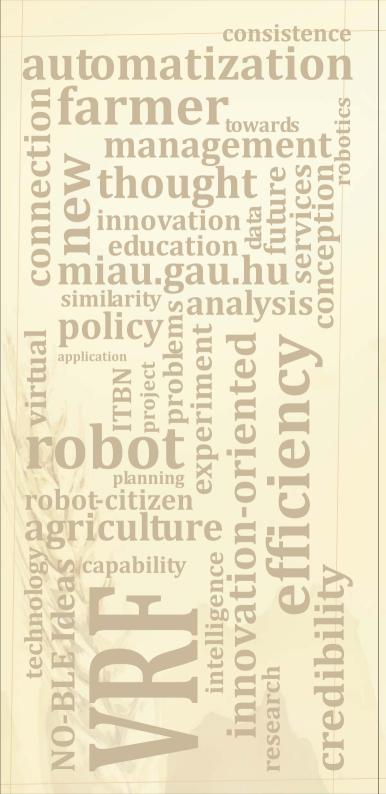
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virtual robot farmer



Nowadays a robotized solution means maximized efficiency and credibility. Robotized analyses (which are the basis of every rational decision) can be defined as multidisciplinary subject.

The uniqueness of similarity analysis is not under question, thus technological competitive advantage is assured. The ITBN (IT-security branch) recognized the outstanding nature of the technology through awarding the Innovation award of 2012.

The Virtual Robot Farmer can be an online/offline tool based on multi-layered consistency-oriented similarity analyses.

Every level of agricultural decision making is targeted, but each should and can be addressed in different ways. However, the difference is related to the packaging/logistic and the product itself (state, chambers agro, product marketing board, experts, and farmers).

A new vision of robots predicting yields of, for example cereals may seem satanic to some, but according to farmers and the government it is the future, and robotics in agriculture will bring efficiency and benefits.

An increasing amount of data is being collected. Based or these data sets, with the assistance of virtual robots farmers are given new capacities in planning/forecasting oriented complex tasks which until now have not been possible with the traditionally educated agricultural experts, certainly not achieving the same efficiency, speed stability and restructuring capability.

For instance, a "wheat bot" is capable of forecasting the yield of grain based on step-by-step delivered information units. These bots are under development to check themselves in a consistence-oriented way and in the form of a multi-layered structure.

We, the researchers in the field of artificial intelligence in cooperation with No-BLE Ideas Project, enthusiastically embrace the prospect of VRF, saying: We want our farmers and food producers to have access to the widest possible range of virtual technologies, from new applications of robotics technology to new controlling aspects and quality assuring approaches.

REFERENCES

1986 The first expert systems

1990 The first final study

1990-1993 International co-operation in Germany -

birth-process of the similarity analyses

1993 The first PhD-title in Germany

1995-2004 Co-operation in the field of agricultural sector models in EU-level

1997 Purchasing the first artificial intelligence licence

1998 Launching the online experiment lab (miau.gau.hu)

2001 Purchasing the second artificial intelligence licence

2003 Launching the first online analytical tool

2004-2005 Co-operation in e-Farmer concept in EU-level

2006-2009 Financial support from Hungarian

Innovation Program in Hungary

2009-2010 Purchasing further artificial intelligence licence

2009 Launching the second online analytical tool

2011-2013 Automated analyses for rural development decisions

2011 Launching the third online analytical tool

2012 Innovation prize for SeaLog (ITBN 2012: IT-security)

2013 The next PhD-title in Hungary

2013-2014 Co-operation with the Noble Ideas International Project

2014 Innovation prizes for scientific studies from Innovation Agency of Central Hungary

2014 Final of Innovact Awards 2014

2016 Next (planned) PhD-title in Hungary