



DEUTSCH-RUSSISCHES JAHR
DER HOCHSCHULKOOPERATION
UND WISSENSCHAFT
РОССИЙСКО-ГЕРМАНСКИЙ ГОД
НАУЧНО-ОБРАЗОВАТЕЛЬНЫХ
ПАРТНЕРСТВ



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Agromechatronics – Digitalisation and Mechatronics in Agriculture

Challenges and Perspectives of the modern Agricultural Engineering

24th and 25th of April 2019, Stavropol, Russia

The fourth industrial revolution reaches the agricultural industry. Just as mechatronics has already established itself in automation technology / robotics and can be found in many different ways in agriculture, digital and networked systems are now penetrating products and processes (cyber-physical systems). In the future, the development and integration of new technologies and processes will be a success factor in industry and agriculture for solving global problems and strengthening competitiveness in the global market. The aim of the workshop is to bring the participating industries together with research groups to initiate promising R&D projects. Furthermore, requirements and training opportunities for the required specialists will be discussed.

Program 1st day presentations, podium discussion, exhibition etc.

2nd day guided tour to the companies (have to be determined)

Location Stavropol State Agrarian University (SSAU), Stavropol, Russia

<http://www.stgau.ru/>

Focus group: German and Russian companies acting at agricultural sector;
Russian and German universities

Organisation committee:

Mr Svyatoslav Serikov, Stavropol State Agrarian University, serikovss@mail.ru

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Mrs Guzel Shaykhullina, Thuringia International, shaykhullina@delcreda.com

Conference Programme

Day 1, Tuesday, 23th of April 2019 –Arrival to Stavropol

Day 2, Wednesday, 24th of April 2019

| Time | Title/ Speaker |
|-----------------|--|
| 09:00– 10:00 | Registration |
| 10:00 | Welcome speech: – Rector of the Stavropol State Agrarian University Prof. Vladimir Ivanovich Trukhachev, Stavropol, Russia – Representative of the ministry of Agriculture of Stavropol territory Ridnyi S.D. – Representative of Thuringia International Guzel Shaykhullina – Representative of DWIH Moscow Mikhail Rusakov |
| 10:30 | Representative of the ministry of Agriculture of Stavropol territory Ridnyi S.D. |
| 10:45 | Presentation of the project “Fostering Internationalisation in Agricultural Engineering in Iran and Russia [FARmER]”, Dr.-Ing. Tom Ströhla, Technische Universität Ilmenau, Germany |
| 11:00 | CLAAS Presentation |
| 11–10 | BAUER Presentation |
| 11–20 | GEOMIR Presentation |
| 11–30 | OOO “Agro-Soft” Presentation |
| 11–40 | PETKUS Presentation |
| 11:50– 12:20 | Coffee break Visit to an exhibition of the Russian and German organisations– conference participants |
| 12:20– 13:45 | Panel discussion on topic “Challenges and Perspectives of the modern Agricultural Engineering” (working title) |

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| 13:45– 14:30 | Lunch break |
| 14.30 – | “Possibilities and chances of agromechatronics – A technological look into the agricultural future ”, Prof. Dr. Heinz Bernhardt, Technische Universität München, Germany |
| 15–00 | “Digitalisation in crop production – precision crop protection”, Priv. Doz. Dr. habil. Karl–Heinz Dammar, Leibniz Institute for Agricultural Engineering and Bioeconomy, Potsdam, Germany |
| 15–30 | Yuliana Kidess – Germany’s experience in dual education for mechatronics and agricultural engineering. DEULA–Nienburg GmbH |
| 15–45 | “Agricultural off–road vehicles dynamic stability”, Assoc. Prof. Dr. Jozef Rédl, Slovak University of Agriculture in Nitra, Slovakia |
| 15:00 | Coffee break |
| 16–30 | “Development of self–adjust cultivating machines”, Prof. Dr. Anatolii Kudzaev, Agrarian University in Vladikavkaz, Republic of North Ossetia–Alania, Russia |
| 16–45 | “Smart agriculture” Dr.Tatiiana Kruglova, Platov South–Russian State Polytechnic University, Russia |
| 17–00 | “Digitization for land resources ” Prof. Dr. Aleksandr Esaulko, Stavropol State Agrarian University, Russia |
| 17–15 | “Priorities for technology upgrading in dairy breeding” Assoc. Prof. Dmitrii Gricai, Stavropol State Agrarian University, Russia |
| 17–30 | Sari Agricultural Sciences and Natural Resources University, Iran |
| 17–45 | Astrakhan State University, Russia |
| 18.00 | Volgograd State Technical University, Russia |
| 18:15 | Conference dinner |

Day 3, Thursday, 25th of April 2019

| Time | Title/ Speaker |
|------------------|---------------------------------------|
| 08.30 – 15.00 | A guided tour to farms Lunch break |
| 15.00– 16.30 | A guided tour at the university |
| | Free time |

Day 4, Friday, 26th of April 2019 –Departure from Stavropol