



1st AXEMA-EurAgEng Conference

2017 February 25



PROGRAM - Room 501-502

8H30	Welcome coffee and posters session
9H30	PLENARY SESSIONS EVENT INTRODUCTION - EurAgEng chairman Claus Aage Grøn Sørensen <i>"Agriculture - Innovation 2025" : Guidelines for innovative and sustainable agriculture</i> Jean-Marc BOURNIGAL - IRSTEA
10H00	PARALLEL SESSIONS Innovative processes and products 1
10H00	<i>Does technology always make a farmer's life easier? Perceived usability of a technologically developed tractor cab: a comparison between novice and expert users</i> Federica CAFFARO, Eugenio CAVALLO - IMAMOTER-CNR Maurizio CUTINI, Carlo BISAGLIA - CREA-ING
10H30	<i>Recognising the Importance of the Technician</i> Alastair TAYLOR - IAgre
11H00	<i>The benefits of electrification: Application on a rotary rake</i> Nicolas GAUER - KUHN
11H30	<i>Powering Precision Farming with ISOBUS</i> Andrew OLLIVER - AEF
12H00	<i>Cyber defense in the field</i> Yannick GUYOMARCH - KEREVAL
12H30	Lunch and posters session
14H00	PARALLEL SESSIONS Innovative processes and products 2
14H00	<i>Aerial multispectral imagery for site specific weed management</i> Christelle GEE - UMR Agroécologie Dijon Corentin CHERON, Nathalie VIGNEAU - AIRINOV
14H30	<i>Autonomous navigation of a platform with UVC-light to prevent crop infestation by powdery mildew</i> Andreas DE PRETER - Octinion bvba
15H00	<i>Multi-sensor fusion method for crop row tracking and traversability operations</i> Bernard BENET - IRSTEA
15H30	<i>Low cost active devices to estimate and prevent off-road vehicle from rollover</i> Roland LENAIN - IRSTEA Benoit THUILOU - Clermont Université / Univ. Blaise Pascal
16H00	Coffee break and posters session
16H30	<i>Narrow tractor development: engine emissions, mother regulation, comfort and precision farming, connectivity.</i> <i>All in all in the same space</i> Massimo RIBALDONE - Same Deutz-Fahr
17H00	<i>Forward step to continuous mechanical harvesting of olive orchards with lateral canopy shakers</i> Rubén SOLA - Universidad de Córdoba
17H30	PLENARY SESSIONS EU thinking on how to stimulate digitisation in agriculture Louis MAHY, Iman BOOT - EU Com DG AGRI EVENT CONCLUSION - AXEMA scientific committee Jeannot HIRONIMUS
18H15	END





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PROGRAM - Room 503

10H00 PARALLEL SESSIONS	
Advanced testing and modelling 1	
10H00	<i>New tools and methods to develop and validate soil-wheel interaction model and knowledge</i> Philippe HERTIER – IRSTEA
10H30	<i>Innovative field test methods for tillage tools</i> Christian RECHBERGER – Josephinum
11H00	<i>Experimental justification of the conveying parameters for the air-seeders</i> Andrii YATSKUL – UniLasalle Jean-Pierre LEMIERE – Agrosup AgroSupDijon
11H30	<i>Centrifugal fertilizer spreader: control of working width and fertilization quality</i> Tien-Thinh LE – IRSTEA Alaa CHATEAUNEUF – Université Blaise Pascal
12H00	<i>A virtual spreader to overcome experimental limits: Example of use to deepen the meaning of the transverse coefficient of variation</i> Emmanuel PIRON – IRSTEA Sylvain VILLETTE – Agroécologie - Agrosup Dijon - INRA
12H30 Lunch and posters session	
14H00 PARALLEL SESSIONS	
Advanced testing and modelling 2	
14H00	<i>Centrifugal spreader ecoevaluation method: Sulky Econov example</i> Emmanuel PIRON – IRSTEA Lionel LEVEILLE – SULKY Yannick GUYOMARCH – KEREVAL
14H30	<i>Reliability approach for fatigue design on mechanical structure in agricultural domain</i> Fabien LEFEBVRE – CETIM
15H00	<i>Biodegradable lubricants for mobile machinery</i> Fabien LEFEBVRE, Jérôme DROMBY – CETIM
15H30	<i>Empirical fuel consumption model of tractors roads travels</i> Didier DEBROIZE – CA Bretagne
16H00 Coffee break and posters session	
16H30	<i>Soil chemical and biological properties under conventional systems and direct seeding mulch-based cropping systems</i> Anne-Maimiti MERCADAL – UniLasalle François PEAUCELIER - Association pour la Promotion d'une Agriculture Durable
17H00	<i>Agricultural Engineering and Climatic Responsibility? Initiative for a holistic approach to reduce CO2 emissions from agricultural mechanization processes</i> Eberhard NACKE – CLAAS KGaA Prof. Dr. Ludger Frerichs - Institut for mobile machinery and commercial vehicle Prof. Dr.-Ing. Stefan BOTTINGER - Institut of Agricultural Engineering Prof. Dr. Ludger FRERICHS





POSTERS SESSION

N01	Device to safely interchange roller on a tillage equipment, from the tractor cab Hubert DEFRANCO - LAFORGE
N02	Hydrostatic Transmission designed to energy efficiency and productivity JEAN HEREN ; Mathilde DEMOULIN - POCLAIN HYDRAULICS
N03	On-Demand Drive system Olivier CROIX - MONROC
N04	DEM application for soil modeling Daniele SPEZIANI - Lorenzo VAGNETTI - PHITEC INGEGNERIA
N05	A comparison between virtual and actual ROPS testing on agricultural tractors Valda RONDELLI - University of Bologna
N06	Factors influencing farmers' preferences about agricultural equipment supply. A literature overview Davide RIZZO – UniLasalle
N07	Mutation of agriculture technical culture and emergence of agri-technical culture Michel J.F. DUBOIS - UniLasalle
N08	Environmental impact assessment of field mechanisation for a sustainable agriculture Jacopo BACENETTI - Università degli Studi di Milano
N0	Disseminating and Promoting Smart Farming Technologies – The Smart-AKIS Network David TINKER - EurAgEng
N10	365FarmNet Smart farming software solution Eric GUEMENE - 365FarmNet
N11	ECO-EPANDAGE Guillaume BOCQUET - AXEMA
N12	Achieving uniform spread patterns on non-flat fields by the control of fertilizer spreading El mehdi ABBOU-OU-CHERIF - IRSTEA
N13	Development of a prototype linear fertiliser machine with variable rate controller for orchards Bahattin AKDEMIR - Namik Kemal University
N14	A typology of the uses of precision farming in an arable crops oriented region in Northern France Olivier SCHEURER - UniLasalle
N15	Spray deposition in a wind tunnel: perspectives of spray drift simulation based on a kinetic approach of wind speed effects Jean-Paul DOUZALS – IRSTEA ; Hervé FOUBERT - SOLCERA Advanced Materials

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LIST OF PARTICIPANTS

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