

European Annual EduNet Conference 2021 - online

June 15th, 2021

09:00 - 09:15	<p>Welcome to the European Annual EduNet Conference 2021</p> <p>Andreas Rau - PHOENIX CONTACT GmbH & Co. KG, Germany Klaus Hengsbach - PHOENIX CONTACT GmbH & Co. KG, Germany Dr. Anja Schulz - PHOENIX CONTACT GmbH & Co. KG, Germany</p>
09:15 - 10:00	<p>Keynote</p> <p>Hans-Jürgen Koch - PHOENIX CONTACT Electronics GmbH, Germany</p>
10:00 - 10:30	<p>Support in Education & Training for Automation 4.0 in Thailand Universities by EduNet members (ERASMUS+ project ETAT)</p> <p>Christian Madritsch - Carinthia University of Applied Sciences, Austria</p>
10:30 - 11:00	<p>A strategic outlook on automation technology for novel energy and flexibility management services</p> <p>Selina Kerscher - Universidad de Oviedo, Spain</p>
11:00 – 11:30	<p>IoT meets open automation in the water industry</p> <p>Joel Stratemann - PHOENIX CONTACT Electronics GmbH, Germany</p>
11:30 – 12:00	<p>The architectures of private 5G networks</p> <p>Tim Simon Leßmann - PHOENIX CONTACT Electronics GmbH, Germany</p>
12:00 – 12:30	<p>Break - Open Forums</p>
12:00 – 12:30	<p>Open Forum 1:</p> <p>Keynote</p> <p>Hans-Jürgen Koch - PHOENIX CONTACT Electronics GmbH, Germany</p>
12:00 – 12:30	<p>Open Forum 2:</p> <p>Support in Education & Training for Automation 4.0 in Thailand Universities by EduNet members (ERASMUS+ project ETAT)</p> <p>Christian Madritsch - Carinthia University of Applied Sciences, Austria</p>
12:00 – 12:30	<p>Open Forum 3:</p> <p>A strategic outlook on automation technology for novel energy and flexibility management services</p> <p>Selina Kerscher - Universidad de Oviedo, Spain</p>
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12:00 – 12:30	<p>Open Forum 5:</p> <p>The architectures of private 5G networks</p> <p>Tim Simon Leßmann - PHOENIX CONTACT Electronics GmbH, Germany</p>
12:00 – 12:30	<p>Open Forum 6:</p> <p>Virtual coffee break – Meet with other participants of the conference and network</p> <p>Participants of the conference</p>
12:30 - 12:45	<p>Active break: Spring comes back</p> <p>Holger Vetter - PHOENIX CONTACT GmbH & Co. KG, Germany</p>
12:45- 13:10	<p>Lunch break</p>
12:45- 13:10	<p>Virtual lunch break 1 - Meet with other participants of the conference and network (TEAMS Meeting, see separate link!)</p> <p>Participants of the conference</p>
12:45- 13:10	<p>Virtual lunch break 2 - Meet with other participants of the conference and network (TEAMS Meeting, see separate link!)</p> <p>Participants of the conference</p>
13:10 – 13:30	<p>Innovation partnerships – potential source of didactical requirements engineering</p> <p>Henning Drake - PHOENIX CONTACT GmbH & Co. KG, Germany</p>
13:30 – 13:50	<p>Working title: New developments of didactical materials</p> <p>Jenny Schaffrath - PHOENIX CONTACT GmbH & Co. KG, Germany</p>
13:50 – 14:10	<p>Current status - new projects - future developments in the EduNet network</p> <p>Antje Stellbrink - PHOENIX CONTACT GmbH & Co. KG, Germany</p>
14:10 – 14:25	<p>Update from the latest LATAM EduNet Conference</p> <p>Hernán Lopez - PHOENIX CONTACT Argentina, Argentina</p>
14:25 – 14:40	<p>Working title: Report and facts of the Chinese Annual EduNet Conference 2021</p> <p>Dr. Pinsheng Du - PHOENIX CONTACT China, China</p>
14:40 – 15:00	<p>Break - Open Forums</p>
14:40 - 15:00	<p>Open Forum 1:</p> <p>Innovation partnerships – potential source of didactical requirements engineering</p> <p>Henning Drake - PHOENIX CONTACT GmbH & Co. KG, Germany</p>
14:40 - 15:00	<p>Open Forum 2:</p> <p>Working title: New developments of didactical materials</p> <p>Jenny Schaffrath PHOENIX CONTACT GmbH & Co. KG, Germany</p>

14:40 - 15:00	<p>Open Forum 3:</p> <p>Current status - new projects - future developments in the EduNet network</p> <p>Antje Stellbrink - PHOENIX CONTACT GmbH & Co. KG, Germany</p>
14:40 - 15:00	<p>Open Forum 4:</p> <p>Update from the latest LATAM EduNet Conference and Chinese Annual EduNet Conference 2021</p> <p>Hernán Lopez - PHOENIX CONTACT Argentina, Argentina Dr. Pinsheng Du - PHOENIX CONTACT China, China</p>
14:40 - 15:00	<p>Open Forum 5:</p> <p>Virtual coffee break – Meet with other participants of the conference and network</p> <p>Participants of the conference</p>
15:00 – 15:30	<p>“New training concept. Joining forces in the EduNet network.”</p> <p>Horacio Eduardo Podestá – Facultad de Ingeniería – Universidad de Buenos Aires and Facultad Regional Santa Cruz -Universidad Tecnológica Nacional, Argentina</p>
15:30 - 16:00	<p>Service-based process control of the modular plants</p> <p>Oleg Makarov - PHOENIX CONTACT Electronics GmbH, Germany Ramy Hana - RWTH Aachen PLT-Lab, Germany</p>
16:00 - 16:30	<p>Energy Management Algorithms Testing Platform for Flexible Loads Control</p> <p>Matias Ariel Kippke – Phoenix Contact E-Mobility GmbH / Universidad de Oviedo, Spain</p>
16:30 - 17:00	<p>Surge protection must be boring!</p> <p>Achim Zirkel - PHOENIX CONTACT GmbH & Co. KG, Germany</p>
17:00 – 17:30	<p>Remote access to simulator running in PLCnext and Visu+, for learning process control</p> <p>Alejandro Lucchesi - FRSN - U.T.N. – F.R.S.N., Argentina</p>
17:30 – 17:50	<p>Break - Open Forums</p>
17:30 - 17:50	<p>Open Forum 1:</p> <p>“New training concept. Joining forces in the EduNet network.”</p> <p>Horacio Eduardo Podestá – Facultad de Ingeniería – Universidad de Buenos Aires and Facultad Regional Santa Cruz -Universidad Tecnológica Nacional, Argentina</p>
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17:30 - 17:50	Open Forum 6: Virtual coffee break – Meet with other participants of the conference and network Participants of the conference
17:50 – 18:00	Final discussion - Wrap up Antje Stellbrink - PHOENIX CONTACT GmbH & Co. KG, Germany Klaus Hengsbach - PHOENIX CONTACT GmbH & Co. KG, Germany
18:00 - 19:00	Virtual international dinner (TEAMS Meeting, see separate link!) Participants of the conference

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09:00 – 09:30	<p>Putting the 'next' in PLCnext</p> <p>Jens Friebe – PHOENIX CONTACT Electronics GmbH, Germany</p>
09:30 - 10:00	<p>e-Home – Smart home simulation</p> <p>Pascal Vrignat - Orléans University, PRISME Laboratory, IUT Indre, France</p>
10:00 - 10:30	<p>Digital Twins for PLC training</p> <p>Prof. Dr.-Ing. Reinhard Langmann - Hochschule Düsseldorf University of Applied Sciences, Germany</p>
10:30 – 10:50	<p>Break - Open Forums</p>
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10:30 – 10:50	<p>Open Forum 4:</p> <p>Virtual coffee break – Meet with other participants of the conference and network</p> <p>Participants of the conference</p>
10:50 – 11:20	<p>Open-Source Database & Dashboard for PLCnext</p> <p>Hafiz Sallim, Institute of Technical Education Singapore, Singapore</p>
11:20 – 11:50	<p>Multidirectional conveyor system in the Test Field Digitization in Production @ htw saar</p> <p>B.Sc. Mathias Heinrich, B.Sc. Simon Schackmann, Jonas Toedter – htw saar, Germany</p>
11:50 – 12:20	<p>Measure to Save – Developing a PLCnext Based Framework for Measuring Energy and Water Consumptions in Buildings</p> <p>Lúis Perdigoto - Polytechnic of Leiria, Portugal</p>
12:20 – 12:45	<p>Break - Open Forums</p>

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13:15 - 14:15	<p>WORKSHOP</p> <p>The value and marketplace of education</p> <p>Moderation: Frank Knafla Master Coach (DGfC) - PHOENIX CONTACT Electronics GmbH, Germany</p>
14:15 – 14:45	<p>"The Show Must Go On" - PCWORX enables online labs during Covid Lockdown</p> <p>Nigel Clinton - Dundalk Institute of Technology, Ireland</p>
14:45 – 15:15	<p>Social distance detection by image processing with PLCnext</p> <p>José Lucci, Federico Cuccioletta - Universidad Tecnológica Nacional Facultad Regional San Nicolás, Argentina</p>
15:15 – 15:45	<p>Image Processing on PLCnext</p> <p>Rodrigo Pedro Jordão Vieira - Polytechnic of Leiria, Portugal</p>
15:45 – 16:15	<p>Project and research-oriented application of PLCnext in education under Industry 4.0 demands</p> <p>Maryna Kolisnyk - National Aerospace University "Kharkiv Aviation Institute", Ukraine Ievgen Babeshko - National Aerospace University "Kharkiv Aviation Institute", Ukraine</p>
16:15 – 16:35	<p>Break - Open Forums</p>

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16:15 – 16:35	Open Forum 3: Image Processing on PLCnext Rodrigo Pedro Jordão Vieira - Polytechnic of Leiria, Portugal
16:15 – 16:35	Open Forum 4: Project and research-oriented application of PLCnext in education under Industry 4.0 demands Maryna Kolisnyk - National Aerospace University "Kharkiv Aviation Institute", Ukraine Ievgen Babeshko - National Aerospace University "Kharkiv Aviation Institute", Ukraine
16:15 – 16:35	Open Forum 5: Virtual lunch break – Meet with other participants of the conference and network Participants of the conference
16:35 - 17:00	Workshop results & Outlook Antje Stellbrink - PHOENIX CONTACT GmbH & Co. KG, Germany Klaus Hengsbach - PHOENIX CONTACT GmbH & Co. KG, Germany

Contact

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