2018 IoT Vertical and Topical Summit on Agriculture - Tuscany (IOT Tuscany 2018)

Tuscany, Italy 8 – 9 May 2018



IEEE Catalog Number:

CFP18O66-POD 978-1-5386-6931-0

ISBN: 978-1-5386-6931-

Copyright \odot 2018 by the Institute of Electrical and Electronics Engineers, Inc. All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

*** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.

 IEEE Catalog Number:
 CFP18O66-POD

 ISBN (Print-On-Demand):
 978-1-5386-6931-0

 ISBN (Online):
 978-1-5386-6930-3

Additional Copies of This Publication Are Available From:

Curran Associates, Inc 57 Morehouse Lane Red Hook, NY 12571 USA Phone: (845) 758-0400

Fax: (845) 758-2633

E-mail: curran@proceedings.com Web: www.proceedings.com



2018 IoT Vertical and Topical Summit on Agriculture - Tuscany (IOT Tuscany)

IEEE IoT Vertical and Topical summit on Agriculture - 1

	Information Technology Controlled Greenhouse: A System Architecture Gianluca Burchi (CREA, Italy), Stefano Chessa (Universita' di Pisa, Italy), Francesca Gambineri (Laboratori ARCHA srl & Research area, Italy), Alexander Kocian (University of Pisa, Italy), Daniele Massa (CREA, Italy), Paolo Milazzo (University of Pisa, Italy), Luca Rimediotti (Lifetronic, Italy), Alessandro Ruggeri (TESENE, Italy)	1
	HOAR: A Hybrid-Opportunistic Architecture for Robust Agricultural Networking Florian Krampe (University of Osnabrueck, Germany), Henning Deeken (Osnabrueck University, Germany), Thilo Steckel (CLAAS E-Systems, Germany), Nils Aschenbruck (University of Osnabrück, Germany)	7
	Variable-Rate Mechanical Crop Adjustment for Crop Load Balance in 'Concord' Vineyards Terence Bates (Cornell University, USA), Jackie Dresser (Cornell University, USA), Rhiann Eckstrom (Cornell University, USA), Golnaz Badr (Cornell University, USA), Thom Betts (Betts Farms, USA), James Taylor (IRSTEA, USA)	13
	Animal monitoring based on IoT technologies Luís Nóbrega (Instituto de Telecomunicações - Universidade de Aveiro, Portugal), André Tavares (Instituto de Telecomunicações - Universidade de Aveiro, Portugal), António Cardoso (Instituto de Telecomunicações - Universidade de Aveiro, Portugal), Pedro A. Gonçalves	
	(Universidade de Aveiro, Portugal)	. 17
IEEE IoT \		. 17
IEEE IoT \	(Universidade de Aveiro, Portugal)	
IEEE IoT \	(Universidade de Aveiro, Portugal) /ertical and Topical Summit on Agriculture - 2 Design and Implementation of an Agricultural Monitoring System for Smart Farming Jan Bauer (University of Osnabrück & Institute of Computer Science, Germany), Nils	. 22