2015 19th IEEE International Conference on Computer Supported Cooperative Work in Design (CSCWD 2015)
May 6-8, 2015, Calabria, Italy
http://2015.cscwd.org/

Conference Program

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<thead>
<tr>
<th>Time</th>
<th>Wednesday May 6</th>
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<tbody>
<tr>
<td>8.30</td>
<td>Plenary (Open)</td>
</tr>
<tr>
<td>9.00</td>
<td>Keynote Speech 1 by Prof. Andrea Omicini</td>
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<tr>
<td>10.00</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>10.30</td>
<td>Session A1, Session B1, Session C1</td>
</tr>
<tr>
<td>13.00</td>
<td>Lunch Break</td>
</tr>
<tr>
<td>14.30</td>
<td>Session A2, Session B2, Session C2</td>
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<td>16.00</td>
<td>Coffee Break</td>
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<tr>
<td>16.30</td>
<td>Session A3, Session B3, Session C3</td>
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<tr>
<td>18.30</td>
<td>Close Sessions</td>
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<tr>
<td>20.30</td>
<td>Welcome Cocktail</td>
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<tr>
<td>8.30</td>
<td>Keynote Speech 2 by Prof. Wil van der Aalst</td>
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<td>Session A4, Session B4, Session C4</td>
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<td>10.30</td>
<td>Coffee Break</td>
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<tr>
<td>11.00</td>
<td>Session A5, Session B5, Session C5</td>
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<tr>
<td>13.00</td>
<td>Lunch Break</td>
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<tr>
<td>14.30</td>
<td>Session A6, Session B6, Session C6</td>
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<tr>
<td>16.00</td>
<td>Coffee Break</td>
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<tr>
<td>16.30</td>
<td>Social Event (Tropea)</td>
</tr>
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<td>21.00</td>
<td>Conference Banquet</td>
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<th>Time</th>
<th>Friday May 8</th>
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<tr>
<td>8.30</td>
<td>Keynote Speech 3 by Prof. Gregory O'Hare</td>
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<tr>
<td>9.30</td>
<td>Session A7, Session B7</td>
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<td>10.30</td>
<td>Coffee Break</td>
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<tr>
<td>11.00</td>
<td>Session A8, Session B8</td>
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<tr>
<td>13.00</td>
<td>Conference Closing</td>
</tr>
<tr>
<td>13.30</td>
<td>Lunch Closing</td>
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</tbody>
</table>
**A1: Collaboration Methods, Mechanisms, and Protocols.**

*Chair: Weiming Shen*


78. Rong Yin, Feng Zhang, Min Liu, Feng Gui, Fei Li and Weiming Shen. Communication Model of Embedded Multi-protocol Gateway for MRO Online Monitoring System.

**A2: Collaboration Technology Applications in Logistics and Transportation.**

*Chair: Jano Souza*

89. Ahlem Askri, Mansour Rached and Sadok Ben Yahia. Mono-objective and multi-objective models for the pickup and delivery problem with time windows.

93. Luiz Felipe Oliveira, Daniel Schneider, Jano Souza and Sérgio A. Rodrigues. Leveraging the crowd collaboration to monitor the waiting time of day-to-day services.


**A3: Collaboration Theories and Methodologies.**

*Chair: Jean-Paul Barthez*


24. Tianchi Zhang, Ji Li, Jing Zhang, Jianpei Zhang and Haiyuan Chen. Survey on Modeling.
34. Jean-Paul Barthes and Marcio Fuckner. ONTOCODESIGN: an Exercise in Using Agents to Cooperatively Develop the CSCWD Ontology.


Chair: Sergio Ochoa

Iyubanit Rodríguez, Macarena Oteo, Samuel Gleisner and Valeria Herskovic. SINCOM: communicating grandparents and grandchildren living at a distance.

Martin Boeckle and Jasminko Novak. Explorative Analysis of Applying Collaborative Visual Annotations in Online Discussions to Support the Ideation of Products or Services.


A5: Collaboration Theories and Methodologies.
Chair: Weiming Shen

42. Hao Chen, Yinsheng Li, Jianping Shen and Jinghao Bian. Online service search based on multi-dimensional semantic service model.

49. Lun Wang, Tun Lu, Hansu Gu, Xianghua Ding and Ning Gu. Influential User Recommendation through SVD based Topic Diversification.


A6: Collaboration Technology Applications in Social Networks and Education.
Chair: Ruben Fuentes Fernandez

58. Josiane M. Pinheiro, Cesar A. Tacla and Emerson C. Paraiso. Are Folksonomies Shared Conceptualizations?

Rubén Fuentes-Fernández and Daniela Xavier. Supporting community annotation with tailored tools.

Leovy Echeverría and Ruth Cobos. Designing the assessment of the collaborative learning process in LMS courses.

**A7: Communication Support Systems for Collaborative Work.**

Chair: Amy J.C. Trappey

Yuhui Wang, Amy J.C. Trappey and Tzu-Han Chow. Incorporating quality function deployment to e-discovery system exploring Voice-over-LTE service technology.

Pasquale Pace, Gianluca Aloì and Giancarlo Fortino. An Application-Level Framework for UAV/Rover Communication and Coordination.

Xiaodan Gu, Ming Yang and Junzhou Luo. A Novel Website Fingerprinting Attack against Multi-tab Browsing Behavior.

**A8: Collaboration Technology Applications in Social Networks and Education.**

Chair: Sergio Ochoa

Li-Feng Huang, Xi Liu and Vincent Ng. Associating Sentimental Orientation of Chinese Neologism in Social Media Data.

Jing Ye, Yasuhito Noguchi and Tomoo Inoue. Effect of Multiple Auditory Localization for Multi-Participant Remote Conversation.


Feng Gui, Yunlong Ma, Feng Zhang, Min Liu, Fei Li, Weiming Shen and Hua Bai. A Distributed Frequent Itemset Mining Algorithm Based on Spark.

**B1: Collaboration Technology Applications in Aerospace, Automotive, and Manufacturing.**

Chair: Xiaoping Li

Jiaxin Zhao, Gongzhuang Peng and Heming Zhang. Schedule and cost integrated estimation for complex product modeling based on Weibull distribution.

Yanling Feng and Guozhu Jia. Scheduling under hybrid mode with additive manufacturing.


98. Haiyan Xu and Xiaoping Li. Group scheduling for complex products with time-dependent deteriorating effect.


Chair: Jianming Yong

Geng Sun, Tingru Cui, Jianming Yong, Jun Shen and Shiping Chen. Drawing Micro Learning into MOOC: Using Fragmented Pieces of Time to Enable Effective Entire Course Learning Experiences.


B3: IOT&L Workshop
Chair: Antonio Guerrieri / Wenfeng Li

99. Ruizhong Wei and Kun Hou. Indoor Location Based on WiFi.

53. Xin Lu, Sheng Wang and Weidong Li. Development of a WSN based real time energy monitoring platform for industrial applications.


Giandomenico Spezzano, Andrea Giordano, Andrea Vinci and Harry Sunarsa. Twitter to Integrate Human and Smart Objects by a Web of Things Architecture.
**Collaboration Technology Applications in Aerospace, Automotive, and Manufacturing.**
*Chair: Guoqing Jin*


5. Feng Wang, Chong Su, Guangyu Mu and Xiaozhen Mi. Optimization design for suction reed valve component of compressors.


**IOT&L Workshop**
*Chair: Antonio Guerrieri / Wenfeng Li*


120. Ye Zhong, Wenfeng Li, Wenjing Guo, Gabriël Lodewijks and Lanpeng Gong. A method of modeling and service encapsulation on cloud logistics resources.

123. Shijie Li, Huarong Zheng, Rudy R. Negenborn and Gabriel Lodewijks. Coordination for Efficient Transport over Water.


**Collaborative Virtual Environments.**
*Chair: Jano Souza*


33. Armando Cruz, Hugo Paredes, Benjamim Fonseca and Leonel Morgado. Fitting Three Dimensional Virtual Worlds into CSCW.

Collaboration Technology Applications in Architecture, Engineering, and Construction.

Chair: Cesar Augusto Tacla


Alessandro Sabato. Pedestrian bridge vibration monitoring using a wireless MEMS accelerometer board.

Bertrand David and Rene Chalon. Situated Cooperative Work in engineering How put together predictable and repeatable behaviors with creativity and agility.

Collaborative Virtual Environments.

Chair: Jano Souza


Flavio França, Adriana Vivacqua and Maria Luiza Campos. Designing a Gamification Mechanism to Encourage Contributions in a Crowdsourcing Systems.


Alfredo Cuzzocrea, Mohamed Gaber and Staci Lattimer. Spatio-Temporal Analysis of Greenhouse Gas Data Via Clustering Techniques.

Collaboration Technology Applications in Architecture, Engineering, and Construction.

Chair: Wenfeng Li


Taifeng Li, Peigen Li, Wenlong Li, Liang Gao, Jin Yi and Yuewei Bai. Cuckoo Search-based Range Image Registration for Freeform Surface Inspection.

Zhenning Sun, Yanfang Yang, Jiquan Hu and Huaiyu Yan. Design of the intelligent braking system with PLC based on the USS interface protocol.

Collaboration Technology Applications in Business and Administration.
Chair: Amy J.C. Trappey


Jietao Dong, Linxuan Zhang, Tianyuan Xiao and Hui Li. A dynamic part supply method for automated mixed-model assembly lines.


Amy J.C. Trappey, Lynn Wei-Lin Chen and Charles Trappey. Computer supported formal concept analysis to explore the evolution of patent litigation.

Collaborative Computing (Clouds, Grids, and Web Services).
Chair: Jianming Yong


Jun Chen, Tun Lu, Guo Li, Tiejiang Liu, Xianghua Ding and Ning Gu. Provenance based Diagnosis for Scientific Workflows.

Xiaoping Li, Lihua Qian and Jie Yang. Cloud workflow scheduling with deadline and time slots constraints.

Fu Peiguo, Peng Qimin and Hu Xiaohui. A semantic parse web service composition system based on QoS.

C4: Collaborative Systems for Activity Recognition.  
Chair: Raffaele Gravina


C5: Collaborative Computing (Clouds, Grids, and Web Services).  
Chair: M. Mehedi Hassan

54. Yiqi Wu, Fazhi He, Dejun Zhang and Xiaoxia Li. Feature-based Data Exchange as Service for Cloud Design and Manufacturing.


C6: Collaborative Approaches in Healthcare Services and Systems.  
Chair: Vincenza Carchiolo

64. Marcio Cunha and Hugo Fuks. AmbLEDs : Collaborative Healthcare for AAL Systems.

86. Alessandro Longheu, Vincenza Carchiolo and Michele Malgeri. Personal Health Record feeding via medical forums.
