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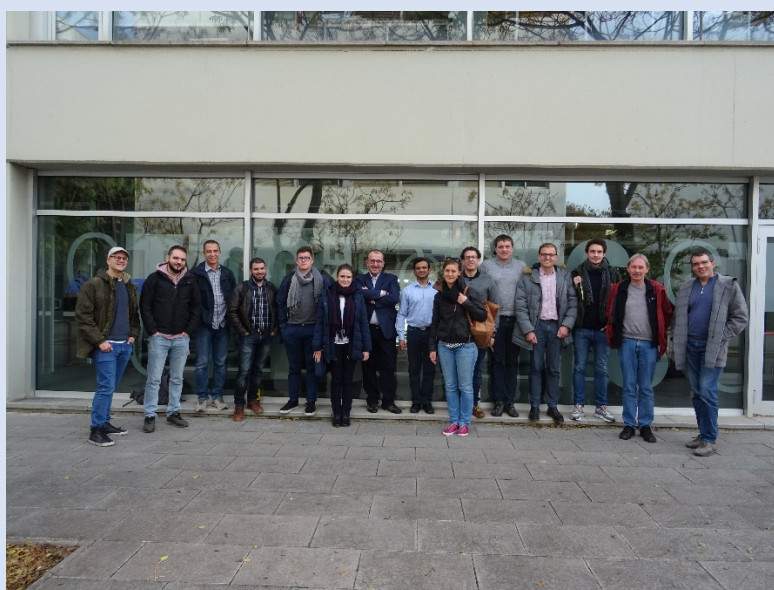


## SEMioTICS Status

**Newsletter**  
**June 2019**  
Issue Number 3

The main highlights in the context of SEMioTICS during the last 8 months (October 2018 - May 2019), can be summarized as follows:

- The 3<sup>rd</sup> SEMioTICS **F2F meeting** took place in Barcelona, Spain in November 2018.
- SEMioTICS was presented in **Mobile World Congress 2019** that took place in Barcelona.
- The 4<sup>th</sup> SEMioTICS **F2F meeting** took place in Warsaw, Poland in April 2019.
- SEMioTICS was presented by SIEMENS in conferences' **Keynote Speeches**
- SEMioTICS organizes a **Special Session** in **IEEE CAMAD 2019**



3<sup>rd</sup> SEMioTICS F2F Meeting (Barcelona, Spain)

## SEMIoTICS F2F meetings



### Barcelona 2018

The 3<sup>rd</sup> SEMIoTICS **F2F meeting** was successfully held on November 27-28, 2018 at Barcelona, Spain. During the meeting, the current status of the running work packages was discussed, including also the next steps.

### Warsaw 2019

The 4<sup>th</sup> SEMIoTICS **F2F meeting** took place on April 2-3, 2019 at Warsaw, Poland, where the project developments were discussed in detail.



## SEMIoTICS Special Session



IEEE CAMAD 2019 (11-13 Sept. 2019, Limassol, Cyprus)

**SPECIAL SESSION ON SECURITY & PRIVACY FOR INTELLIGENT, 5G-ENABLED IOT ECOSYSTEMS**

SEMIoTICS organizes a dedicated **Special Session** during **IEEE CAMAD 2019** conference in Limassol, Cyprus (11-13 September 2019).

IEEE CAMAD 2019 will bring together a diverse group of scientists, engineers, manufacturers and providers to exchange and share their experiences and new ideas focusing on research and innovation results in the **5G domain**.

The SEMIoTICS Special Session CFP can be found here:

<http://camad2019.ieee-camad.org/wp-content/uploads/sites/51/2019/04/SS05.pdf>

## SEMIoTICS Dissemination Activities

TUM CKI-Conference 2019 - Industrial Internet of Things



### Keynote Speeches

SEMIoTICS was presented during the **Keynote Speech** of Dr. Arne Bröring (SIEMENS) in **CKI conference** on April 4<sup>th</sup>, 2019 (Munich, Germany)

In addition, Dr. Bröring presented SEMIoTICS during his Keynote Speech in the Workshop: **Challenges of Trust, Interoperability and Autonomy in Industry 4.0** that took place on April 12<sup>th</sup> at Bad Füssing, Germany.

### Mobile World Congress 2019



CTTC, IQUADRAT and FORTH demonstrated the **SEMIoTICS** IoT gateway and Backend System based on OpenStack for remote monitoring and actuation in **MWC19**



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## Publications

1. R.C. Staudemeyer, H. Pöhls, M. Wójcik, **What it takes to boost Internet of Things privacy beyond encryption with unobservable communication: a survey and lessons learned from the first implementation of DC-net**, *Journal of Reliable Intelligent Environments*, vol. 5, issue 1, April 2019.
2. P.-V. Mekikis, K. Ramantas, A. Antonopoulos et al., **NFV-enabled Experimental Platform for 5G Tactile Internet Support in Industrial Environments**, *IEEE Transactions on Industrial Informatics*, 2019.
3. G. Hatzivasilis, O. Soultatos, P. Chatziadam et al., **WARDOG: Awareness detection watchdog for Botnet infection on the host device**, *IEEE Transactions on Sustainable Computing*, 2019.
4. P.-V. Mekikis and A. Antonopoulos, **Breaking the Boundaries of Aerial networks with Charging Stations**, *IEEE ICC*, 20-24 May 2019, Shanghai, China.
5. K. Fysarakis, G. Spanoudakis, N. Petroulakis et al., **Architectural Patterns for Secure IoT Orchestrations**, *Global IoT Summit 2019 (GloTS'19)*, Aarhus, Denmark, June 17-21, 2019.
6. N. Petroulakis et al., **SEMIoTICS Architectural Framework: End-to-end Security, Connectivity and Interoperability for Industrial IoT**, *Global IoT Summit 2019 (GloTS'19)*, Aarhus, Denmark, June 17-21, 2019.
7. J. Seeger, A. Bröring, M.-O. Pahl and E. Sakic, **Rule-Based Translation of Application-Level QoS Constraints into SDN Configurations for the IoT**, *EuCNC 2019*, 18-21 June, Valencia, Spain.
8. A. Bröring, V. Charpenay, D. Anicic and S. Puech, **NOVA: A Knowledge Base for the Node-RED Ecosystem**, *ESWC 2019 Satellite Events*. 4-6 June 2019, Portoroz, Slovenia.
9. L. Sanabria-Russo, J. Alonso-Zarate and C. Verikoukis, **SDN-based pro-active flow installation mechanism for delay reduction in IoT**, *IEEE GLOBECOM*, Dec. 2018, Abu Dhabi, UAE.

## SEMIoTICS in Social Media



**We're on the Web!**  
Find us at:  
<https://www.semiotics-project.eu/>

SEMIoTICS is present in:



**TWITTER**

Please follow us [@semiotics\\_eu](https://twitter.com/semiotics_eu) to keep up to date with the project progress!