

In this issue:

SEMIO TICS Status	1
SEMIO TICS Standardization Activities	2
SEMIO TICS Plenary Meeting	2
Publications	3
SEMIO TICS in social media	3

Newsletter

December 2020

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SEMIOTICS Status

The main highlights in the context of SEMIOTICS during the last 6 months (**July 2020 - December 2020**), can be summarized as follows:

- The **COVID-19** situation has severely affected the project meetings, as well as the dissemination/communication activities of the project
- The SEMIOTICS 8th **Plenary meeting** was held online in July 2020
- The SEMIOTICS 9th **Plenary meeting** was held online in December 2020
- The **Final Advisory Committee** Meeting was held online in December 2020.
- Several **scientific publications** (journals and conferences) have been achieved

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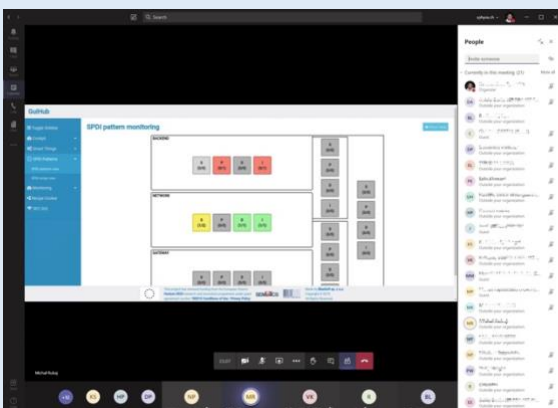
SEMIOTICS

Final Advisory Committee Meeting

The Final Advisory Committee Meeting was held online during the 9th of December. The SEMIoTICS consortium presented the key achievements of the project. The SEMIoTICS partners also showed videos that demonstrate how the SEMIoTICS technology is implemented in the three use cases of the project. Finally, the sustainability and Exploitation of the project outcomes were presented to the advisory committee.



8th and 9th SEMIoTICS F2F Plenary Meeting (virtual)



The 8th SEMIoTICS F2F Plenary Meeting (initially scheduled at Sphynx) was held online during 9th – 10th of July.

During the meeting, the current status of the running work packages was discussed.

The 9th SEMIoTICS F2F Plenary Meeting (initially scheduled at Iquadrat) was held online during 9th-10th of December 2020.

During the meeting the final steps towards the finalization of the project and the review meeting were discussed



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**We're on the Web!**

Find us at:

<https://www.semiotics-project.eu/>

Publications

1. N. Petroulakis, K. Fysarakis, H.C. Pöhls, V. Kulkarni, G. Spanoudakis, A. Bröring, M. Papoutsakis, M. Michalodimitrakis, S. Ioannidis, "**Pattern-driven Security, Privacy, Dependability and Interoperability in IoT**", book chapter in "**Security Risk Management for the Internet of Things: Technologies and Techniques for IoT Security, Privacy and Data Protection**", June 2020, Now Publishers.
2. J. Seeger, A. Bröring, G. Carle, **Optimally Self-Healing IoT Choreographies**. ACM Transactions on Internet Technology, vol. 20, no.3, July 2020.
3. H. C. Pöhls, and N. Rakotondravoni, **Physical kill switches for IoT data collection: Adding dynamicity to consent by physical interaction and physical feedback**, 22nd HCI 2020, Copenhagen, Denmark, Jul. 17-24, 2020
4. A. Miaoudakis, K. Fysarakis, N. Petroulakis, S. Alexaki, G. Alexandris, S. Ioannidis, G. Spanoudakis, V. Katos, C. Verikoukis, **Pairing a Circular Economy and the 5G-Enabled Internet of Things: Creating a Class of Looping Smart Assets**, in IEEE Vehicular Technology Magazine, vol. 15, no. 3, Sept. 2020.
5. L. Sanabria-Russo, J. Serra, D. Pubill and C. Verikoukis, **CURATE: On-Demand Orchestration of Services for Health Emergencies Prediction and Mitigation**, Accepted in IEEE Journal on Selected Areas in Communications, Nov.2020.
6. F. Klement, H. C. Pöhls and K. Spielvogel. **Towards Privacy-Preserving Local Monitoring and Evaluation of Network Traffic from IoT Devices and Corresponding Mobile Phone Applications**. In IEEE 3rd WISP 2020 held in conjunction with GIOTS 2020, IEEE, Jul., 2020.
7. E. Lakka, N. E. Petroulakis, E. Michalodimitrakis, M. Papoutsakis, **Validation of Semantic Interoperability between IoT Platforms**, In IEEE 3rd WISP 2020 held in conjunction with GIOTS 2020, IEEE, Jul., 2020.
8. M. Papoutsakis, K. Fysarakis, E. Michalodimitrakis, E. Lakka, N. Petroulakis, G. Spanoudakis, and S. Ioannidis, **A Pattern-Driven Adaptation in IoT Orchestrations to Guarantee SPDI Properties**, 2nd MSTEC, co-located with ESORICS, Guildford, UK, 17 Sept. 2020

SEMioTICS in Social Media

SEMioTICS is present in:

**TWITTER**

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