
Fwd: [Data+Service] Newsletter 09/2019

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Draft

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Swiss Alliance for
Data-Intensive Services

Newsletter #2

01.10.2019

Welcome to the Data+Service Alliance Newsletter!

We bring you an issue every month, containing information about things happening inside the Alliance as well as information from our members.

In this issue, learn about our new Topic Leaders and upcoming events, mark your calendars now because there are quite a few!

Questions, remarks or contributions for the newsletter? Reach out to the [editors](#).

Happy reading!
The Editors

Make sure to scroll all the way down -- don't-miss-it-goodie at the end!

Upcoming Alliance Events

There are several events coming up in the next weeks. Please check our [website](#) for all information.

03.10.2019 - [Digital Health Lab Day- Life in numbers](#), Wädenswil

31.10.2019 - [Data Economy - The land of endless opportunities](#), Zurich

07.11.2019 - [Digitalisierung und Gesundheit](#), Islikon, Thurgau

21.11.2019 - [Data-Driven Business Models Expert Group Event](#), Zurich

Topic Leader: "Service Science for Digital Services" - University of Geneva, Institute of Information Service Science



Main contact: Prof. Giovanna Di Marzo Serugendo

Prof. Giovanna Di Marzo Serugendo is head of both the [Institute for Information Service Science](#) and the [Computer Science Center](#) of the University of Geneva. They are both active in diverse areas of computer science, service science for digital services and informatics linguistics. Key expertise areas of the Computer Science Center include:

- Artificial Intelligence
- Modelling and Simulation
- Virtual / Augmented Reality
- Smart Cities
- E-Health and QoL
- Information Security

Education

- BSc/MSc/Phd in Computer Science
- BSc/MSc/Phd in Information systems and service science
- BSc/MSc/PhD in in Informatics for humanities

- [More information](#)

Further education

- Continuous education programs: Blockchain, Information Security, Data Governance, Web development, Information Systems Management, IoT. [More information](#)
- Sessions on AI and Software development. [More information](#)

Projects

- [Project Avenue](#)
 - [Annual project reports](#)
-

Topic Leader: Data Ethics" - University of Zurich, Digital Society Initiative



Markus Christen



Michele Loi

In 2019, the [Digital Society Initiative](#) of the University of Zurich started the “Digital Ethics Lab” (DSI-DEL) as a competence center for handling the ethical challenges of digital transformation. It integrates several projects of the [Neuro-Ethics-Technology Group](#) at the Institute of Biomedical Ethics and History of Medicine with the ethics research of several other DSI members.

The aim of the DSI-DEL is to explore and analyze ethical aspects of digitalization along the following three dimensions:

- Normative: Critically explore ethical questions and implications that the use of digital technologies poses.
- Empirical: Investigate how digital technologies influence people's moral competences and ethical beliefs.
- Constructive: Develop ethically sound digital technologies and the respective guidelines.

The DSI-DEL organizes workshops and other meetings for regular exchange and promotion of interdisciplinary research along these three lines. It also supports the

DSI as a whole by providing ethical expertise for other research groups and for outreach activities.

Research Topics

Current research topics include:

- Ethical issues of Artificial intelligence and Big Data
- Ethics of Cybersecurity
- Creating game-based tools for ethics training

Selected projects

- Swiss National Research Program 75 “Big Data”: Between Solidarity and Personalization – Dealing with Ethical and Legal Big Data Challenges in the Insurance Industry
- Horizon 2020: Consortium CANVAS – Constructing an Alliance for Value-driven Cybersecurity
- Swiss Foundation for Technology Assessment: Study on the societal effects of artificial intelligence
- Armasuisse Science+Technology: Assessing the impact of digital decision support in critical decision making in the security context

Selected publications

Christen M, Gordijn B, Loi M (eds.) (2019): The Ethics of Cybersecurity. Springer. The International Library of Ethics, Law and Technology, in press

Loi M, Christen M (2019): Two concepts of group privacy. Philosophy & Technology, in press.

Christen M, Blumer H, Hauser C, Huppenbauer M (2019): The ethics of Big Data applications in the consumer sector. In: Braschler M, Stadelmann T, Stockinger K(eds.): Applied Data Science - Lessons Learned for the Data-Driven Business. Springer, 161-180.

Loi M, Christen M (2019): How to include ethics in machine learning research. ERCIM News 116 (January 2019), 5.

Main contact: Markus Christen, [profile here](#).

Find all [Topic Leaders on the website](#).

Data Science courses for corporates - offered by Propulsion Academy

[Propulsion Academy](#) offers a range of educational courses in the field of Data Science, aimed for the industries.

- [DataOps](#) (Machine Learning Deployment) (for corporations only)
- [Data Science for Enterprise](#)(for corporations only)
- [Data Science for Managers](#)(for corporations only)
- [Time-Series Analysis](#) (for corporations only)

Digital Health Lab Day - Life in Numbers conference



Join us this week at the “Digital Health Lab Day - Life in Numbers” conference, on the 3rd of October 2019, at Wädenswil, organised by ZHAW.

Digitalisation in the health sector offers immense potential to improve the well-being and care of each individual. This move to patient-centered care requires completely new approaches in the healthcare system. Digital Health offers solutions to make healthcare accurate, personalized, preventive and economical at the same time.

Join the conference and learn:

- What new approaches are there in the processing of health data?
- How will new technologies radically change service delivery?
- What implications does Digital Health have for the relationship between patients, healthcare professionals, healthcare providers, and health insurers?

[Register here for the conference.](#)

Data Economy - The land of Endless Opportunities



University of
Zurich^{UZH}

Digital Society Initiative



Swiss Alliance for
Data-Intensive Services

UZH Digital Forum
and Swiss Alliance
for Data Intensive
Services present:

Public event in English
with **IGOR PERISIC**,
Chief Data Officer,
LinkedIn

University of Zurich,
Rämistrasse 71,
8006 Zürich, KOL-F-117

DATA ECONOMY – THE LAND OF ENDLESS OPPORTU- NITIES?

More information
on dsi.uzh.ch and
data-service-alliance.ch

Thursday,
October 31, 17:00

Photo by
Sharon McCutcheon on unsplash

The world's most valuable resource is no longer oil, it is data. In the Information Age, data powers growth and change, increasing quality of life and paving the way for fairer and more efficient societies. But the true promise of the Data Economy remains largely unfulfilled because we still lack the technology – and agreement - to allow for standard, secure and efficient data exchange. There's no real market place yet – and the means of production in the hands of a few rather suggests a feudal hierarchy than a modern economy. Will this change? Can this change? Different experts and players in this field will present their aspects on the topic.

Join this event on 31st October 2019 at University of Zurich and find out what the experts are saying.

[Registration and more information here.](#)

Digitalisierung und Gesundheit (Digital Health Congress, FH St. Gallen)

7. November 2019 - Islikon TG

Digitalisierung und Gesundheit

Fachhochschule St Gallen invites you to their institute's one-day expert congress on Digital Health on 7 November:

<https://digital-health-kongress.ch/>

There will be two keynotes and four workshops where the participants - coming from various disciplines - will discuss opportunities, challenges and trends in Digital Health in an interdisciplinary setting. There will also be sufficient time for networking.

The workshop topics are:

WS1: Digitalisierte Pflege zu Hause

WS2: Prävention und Unterstützung von Verhaltensänderung für nachhaltige Gesundheit

WS3: Anonymisierte offene Gesundheitsdaten

WS4: Artificial Intelligence - der Arzt der Zukunft?

The congress is in German, the number of participants is limited, participation is free of charge but requires [registration](#).

Data logistics and AI in insurance risk management

A white paper by Christian Spindler & Christian Hoffmann

Data is quickly becoming the most valuable asset in the insurance sector, given its tremendous volume in our digital era. Simultaneously, Artificial Intelligence (AI), harnessing big data and complex structures with Machine Learning (ML) and other methods, is becoming more powerful.

[This White Paper](#) comprises a study among Swiss and German insurance players, tackling a key business problem: Legacy infrastructure, missing interoperability, and a lack of comprehensive knowledge about AI and its use cases hinder the adoption of advanced, AI-based, ethical insurance and risk schemes.

[Link.](#)

Innosuisse - call for innovation projects in the field of digitalization

Please find more details here:

<https://www.innosuisse.ch/inno/en/home/start-your-innovation-project/innovationsprojekte/digitalisation-call-2019.html>

Eingabefrist: 16. Dezember 2019

Entscheid: spätestens Ende Februar 2020

Data Science Read of the Month

Das Beste zum Schluss

Equality of opportunity in supervised learning

<https://blog.acolyer.org/2018/05/07/equality-of-opportunity-in-supervised-learning/>