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[Data+Service] Newsletter 12/2018

Swiss Alliance for Data-Intensive Services <newsletter-editors@data-service-alliance.ch> 18 December 2018 at 08:34
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Swiss Alliance for
Data-Intensive Services

Newsletter #13 18.12.2018

Welcome to this month's Newsletter!

Do not miss the upcoming events & Expert Group meetings mentioned below.

Please find below some upcoming events organised by our members and last but not the least, we heartily welcome our new members!

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

Wish you all very happy festivals with your friends and family!

Happy reading!
The Editors

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

Upcoming Expert Group Meetings

15.01.2019 - Blockchain in Supply Chain Management Expert Group meeting
15:00 - 18:00, Location: tbd in Zürich. Find more information [here](#).

12.02.2019 - Machine Learning Clinic Expert Group meeting
16:00 - 18:30, Location: SAP Switzerland office, Regensdorf, Zürich. Find more information [here](#).

Upcoming Alliance Events

- [16.01.2019](#) - **Open source tool for data manipulation - KNIME**. Location: Room 06, HES-SO Master, [Avenue de Provence 6](#), 1007 Lausanne. Find more information [here](#).
 - [16.01.2019](#) - **Smart Service Expert Group "Service Lunch" - Innovating Healthcare through Mobile Data and Predictive Analytics**
Location: ZHAW Lagerstrasse Zürich. Find more information [here](#).
 - [13.02.2019](#) - **Smart Maintenance Conference by Easyfairs** Location: Messe Zürich, Hall 3. Find more information [here](#).
 - [13.06.2019](#) - **GeoSpatial Data Day 2019 (Pre-conference event of SDS2019)**
Location: Berner Fachhochschule BFH, Brückenstrasse 73, Bern. Find more information [here](#).
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GeoSpatial Data Day 2019 (Pre-conference event of SDS2019)



The Pre-Conference of SDS2019 will take place on Thursday, 13.06.2019 at the University of Applied Sciences of Berne. This half day event is aimed at providers of geodata, providers of innovative solutions as well as non-geocentric companies which might benefit of geodata analytics for their core business.

The [GEOspatial Data Day](#) is organised in cooperation with [GeoSummit](#). The event takes place in the afternoon from 12:15 to 19:00, including talk and hands-on session.

The event page on GeoSummit provides more information on the programme known until today.

More information will follow soon.

SDS2019 - Important dates

The 6th Swiss Conference on Data Science is technically co-sponsored by IEEE. There are two distinct submission possibilities, an academic (scientific) track and a business track. We encourage you to submit your research findings or your business related talks in the respective categories. The proceedings of the accepted academic papers will be published in the IEEE Xplore Digital Library.

The esteemed members of the Academic and Business Program Committees will review each submission and help us make an exciting and informative conference program.

Not to forget the exciting awards (each award worth CHF 1,500)

- Best paper
- Best presentation
- Best reproducibility

Dates to remember:

- 1st Feb 2019: Paper (Academic/Business) submission deadline
- 15th Mar 2019: Academic papers author notification
- 5th Apr 2019: Business talks speaker notification
- 14th June 2019: SDS2019 Conference

Find all information [here](#).

Study: Societal effects of artificial intelligence

by Markus Christen, University of Zurich

The dynamics in artificial intelligence research (AI) are great and there will probably be great successes and equally spectacular failures of this technology in the coming years. In a study commissioned by [TA-SWISS](#), the opportunities and risks of AI for exemplary areas of application are evaluated. The study is a joint venture of the [Digital Society Initiative of the University of Zurich](#) – a member of the Alliance, the [Technology and Society Department of Empa](#) and the [Institute for Technology Assessment of the Austrian Academy of Sciences](#).

As part of the study, an international survey will be conducted on the societal impacts of AI. The survey is aimed at both technical experts and experts in the domains of consumption, education, labor, media and public administration and lasts around 20 minutes.

Please click on the link below to participate in the study and receive further information:

[TA-SWISS Umfrage / Survey / Questionnaire](#)

Alternatively, you can also enter the following URL in your browser

https://ufspezurich.eu.qualtrics.com/jfe/form/SV_brNE0IjpGVWIDgp

We thank you for your support

The research team

Smart Maintenance Conference by Easyfairs

Data plays an increasingly important role in maintenance today. It can be used profitably in a wide range of areas, for example to monitor the machine condition, to forecast impending failures, or to analyze and optimize process quality in maintenance.

The conference gives an overview of how maintenance data can be used today.

What benefits can companies derive from the data?

What are the requirements for data acquisition and data quality?

Five members of the Alliance will present their experience. Christoph Heitz (ZHAW) will speak about maintenance 4.0 and data as game changer. Marc Tesch (LeanBI), Bernd Reimann (Hexagon) and Harm Flik (Zuehlke) will present concrete use cases in this field. Finally, Kurt Stockinger will share his knowledge about architectures and platforms for streaming data.

Join us on 13th of February 2019 at Messe Zürich to hear from our members their experiences and their learnings. Find information [here](#).

Applied Machine Learning Days

by Martin Jaggi, EPFL

We invite you at the [Applied Machine Learning Days](#), taking place from January 26-29, 2019, on the EPFL campus. The 3rd instance will again be a top ML/AI event in Europe, focused specifically on the applications of machine learning and AI, bringing together a large audience from industry and academia from different backgrounds. Space will be limited, and early bird (half-price) registration ends in a few days only. Please register asap if you want to join us!

The 4 days will be packed with interesting sessions:

26+27 January: Twenty-five hands-on Workshop sessions, full-day & half-day, from beginner to advanced level.

28+29 January: Main conference with awesome plenary speakers and 16 topic tracks, poster session & job fair; as well as a special night with Garry Kasparov.

We'll be hosting over 100 Speakers, including

- Garry Kasparov
- Jeff Dean
- Zeynep Tufekci
- Sandy Pentland

and [many more](#), guaranteeing 16 intense topic tracks.

Welcome new members: Propulsion Academy, SpinningBytes & ISIN SUPSI

We are happy to welcome Propulsion Academy and SpinningBytes who have joined the Alliance as Silver Industrial members and Institute for Information Systems and Networking SUPSI who have joined the Alliance as an Academic member.

About Propulsion Academy

Propulsion Academy, represented by Nitin Kumar is an educational startup founded in 2016 and based at Technopark Zurich. Students participate in an immersive, practical, and hands-on experience that is aligned with the future of technical education. Currently, Propulsion offers (1) 12-week full-time intensive courses (bootcamps) in Full-Stack Engineering and Data Science to those looking to get into these fields (2) two one-week courses in Web-Development and Data Science for beginners (3) customized corporate training programs based on its full-time programs. Information related to all our courses can be found at <https://propulsion.academy/>

Project Prototyping

During the project phase of our intensive training programs, students work on an industrial project with proper deliverables. Propulsion students have delivered projects for one Kickstarter Accelerator finalists (Robo VC), two F10 FinTech Incubator & Accelerator (advAisor.io and Jacob) and well-known brands (Ava Women, Expedia, Swiss International Airlines, Sennheiser, Six, ...).

Offer for Data-Service members

Propulsion is an expert in providing technology courses and project prototyping through student projects supported by its experienced staff. We provide a place to all alliance members to learn and simultaneously test new ideas. We welcome all alliance-members to contact us for any training (15% discount to all

members, use code DATA-ALLIANCE) and project prototyping in Full-stack engineering and Data Science (3 free projects per program).

About SpinningBytes

SpinningBytes AG, represented by Mark Cieliebak, is a joint spin-off of the Swiss Federal Institute of Technology in Zurich (ETH) and the Zurich University of Applied Sciences (ZHAW), founded in 2015. The main goal of the company is to build a bridge between research and industry.

To the Alliance and its members SpinningBytes offers its expertise in the area of smart software solutions for natural language understanding and automatic text analysis. The resulting insights from these analysis can be used for business decisions, process optimization or new data products.

They have proven their technological strength in several international competitions: For instance, they won SemEval-2016 with their sentiment analysis system, and achieved 2nd places at WNUT-2017 (Named Entity Recognition), Var-Dial-2018 (dialect classification) and GermEval-2018 (hate speech detection). SpinningBytes has already implemented several solutions for Swiss companies, including Sanitas, the Swiss Economic Archive, Supertext and WorldVision.

About Information Systems and Networking (ISIN) SUPSI

ISIN SUPSI, represented by Dr. Danielle Puccinelli, is an applied Information and Communication Technology (ICT) research institute within the Department of Innovative Technologies (DTI) of the University of Applied Sciences of Southern Switzerland (SUPSI). Established in 2008, today ISIN comprises about forty full-time equivalent employees who are typically active in both teaching and applied research activities in the following areas:

- Software and data engineering
- Complex networks and pervasive computing
- Semantic and multimedia systems
- Audio-video processing and immersive multimedia technologies
- Cybersecurity

Many of ISIN's activities are closely related to data-intensive services. In particular, ISIN's current activities focus on data-driven value creation in the following domains:

- Computer vision
- Advanced Human-Computer Interaction by way of Natural Language Processing

- Healthcare
- Complex networks and systems
- Blockchain technology

ISIN's main motivation to join the association is to share their expertise with the various organizations within the network through joint applied research projects and dissemination activities (such as workshops, seminars, innovation bootcamps etc.).

Upcoming Member Events

Please send us your events information to info.office@data-service-alliance.ch. We include your events in the newsletter issues.

Please find the events below:

21.01.2019 - Reinforcement Learning for Games - a Meetup event 18:00 - 20:30. Location - ZHAW Lagerstrasse Zurich. Find more information [here](#).

29. - 30.01.2019 - SAP Cloud Platform & Innovation Design Customer Forum in Zürich

Location: Courtyard by Marriott Zurich North, [Max-Bill-Platz 19, 8050 Zürich](#)
Find more information [here](#).

Our warm wishes...



May joy, hope and happiness be yours
this Christmas season.
Merry Christmas and a happy new year!

We take the opportunity to wish you and your family a joyous Christmas and a very happy and prosperous new year. We look forward to interesting activities, deeper collaborations and exciting events in the coming year.

Data Science Read of the Month

Das Beste zum Schluss

Could artificial intelligence make doctors obsolete?

<https://www.bmj.com/content/363/bmj.k4563>

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