Data Science & Data Ethics e-Conference

29/30 June 2020 @ **actuview**

Organised by the EAA – European Actuarial Academy GmbH

Sponsored by **Deloitte.** **OLIVER WYMAN** **RGA** 5O Years SCOR The Art & Science of Risk

Introduction

As the leading provider of high-class actuarial education and CPD activities in Europe, the European Actuarial Academy (EAA) will be hosting its first virtual conference with the aim

- to present up-to-date solutions to technical problems,
- to share best practices and personal insights
- as well as to offer a forum for actuarial and data science experts.

Initially planned as an onsite event the EAA is very happy and proud to run this special conference in an online environment to take into account the COVID-19 pandemic and the resulting travel restrictions.

The actuarial focus has changed significantly over the last couple of years. Computational power is increasing with exponential growth, in addition more and more data is available. This combination puts the actuarial profession into a position where a new understanding has to be developed on today's possibilities of actuarial science and the ethical implications of it. The new role of actuaries within big data and ongoing digitalisation is not yet fully defined. Best practice experience sharing and exchange of ideas is needed!

The EAA is delighted to offer all interested actuaries and other experts a forum for knowledge exchange:

On 29 and 30 June 2020, the first EAA **e-**Conference "Data Science & Data Ethics" will be broadcast on the actuview video platform. actuview is the first permanent international media platform for actuaries and offers videos on all subject areas of the actuarial profession. The programme combines keynote speeches from well-known experts with food for thought and selected talks from professionals through a call for papers.

Participants

The EAA's Data Science & Data Ethics Conference is open to all European actuaries and other interested experts. Access to the conference is available especially to members of actuarial associations in Europe and members of IAA Sections. If you have any questions or no login details yet, please send an e-mail to contact@actuview.com or contact your local association.

Language

The language of the conference will be English.

Lectures

The best lectures have been selected from a call for papers with many high-class submissions from all over Europe as well as from North America, Africa and Asia. We are pleased to offer an excellent programme and to announce the four keynote speakers:

Among others, the agenda covers topics like Data Storage, Unstructured Data, Modern Statistics, Use Cases in Predictive Analytics, ActuBot and Ethical Questions – always with focus on the related actuarial role, tasks and skills needed.

Julian Arevalo, *European Insurance and Occupational Pensions Authority (EIOPA)*
"Big Data Analytics in Motor and Health Insurance"

Frank Schiller, *Munich Re*
"Without Actuaries, AI is just a Meaningless Buzzword"

Lokke Moerel, *Morrison & Foerster / Tilburg University*
"AI for the Good"

Falco Valkenburg, *Actuarial Association of Europe (AAE)*
"Actuaries – Frontrunners in Digital Ethics Discussion"

Please have a look at the full programme for all details.

european actuarial academy

Programme

Monday, 29 June 2020

09:30 – 09:45	WELCOME & OPENING
09:45 – 10:45 **LIVE**	KEYNOTE: AI for the Good Lokke Moerel, Morrison & Foerster / Tilburg University
10:45 – 11:15	BREAK
11:15	Ethics as a Value Adding Component in Data Science Colm Fitzgerald, University College Dublin
11:50	AI and Automation Techniques to Life and Healthcare Practice Atreyee Bhattacharyya, IFoA AI and Automation working party
12:25	Data Risk Governance – Addressing Ethics in Insurance Mirko Kraft, Coburg University / Forum V
13:00 – 14:00	BREAK
14:00	The Changing Roles and Responsibilities of Analytics Leaders Isin Ozaksoy, RGA
14:35	How to make use of Unstructured Data – Critical Illness Claims Classification via Natural Language Processing Antoine Ly, SCOR
15:10	Deep Learning Insights to handle NLP (Re)insurance Domain Issues: A Claims Analysis Perspective Aurélien Couloumy, CCR
15:45 – 16:15	BREAK
16:15 – 17:15 **LIVE**	KEYNOTE: Big Data Analytics in Motor and Health Insurance Julian Arevalo, EIOPA

Tuesday, 30 June 2020

09:10 – 10:10 **LIVE**	KEYNOTE: Actuaries – Frontrunners in Digital Ethics Discussion Falco Valkenburg, Actuarial Association of Europe (AAE)
10:10	Using Generative Adversarial Networks for Multi-Dimensional Risk Factor Modeling and Model Validation Mario Hörig, Oliver Wyman
10:45 – 11:15	BREAK
11:15	A Holistic View on the Medical History and the Medical Future of Individuals Thorsten Honcamp, RISK-CONSULTING Prof. Dr. Weyer
11:50	Right or wrong? A Guide for Ethical Data Science Valerie Du Preez, Dupro Leisha Watson, IFoA
12:25 – 13:25 **LIVE**	KEYNOTE: Without Actuaries, AI is just a Meaningless Buzzword Frank Schiller, Munich Re
13:25 – 13:30	CLOSING & GOODBYE

Fees & Registration

As a registered user of actuview, the EAA **e-**Conference can be joined free of charge. All presentations will be published here:

www.eaa-conference.actuview.com

If you sign up to the event with us in advance, you will also get access to the four exclusive live web sessions of our keynote speakers. These keynote sessions will take place as scheduled in the conference programme and are marked accordingly. The registration is completely free of charge but necessary to get access to our webinar platform for the mentioned keynotes.

As attendance is limited, please register as soon as possible by using our online booking form at our conference website:

www.actuarial-academy.com/seminars/conference

No responsibility is taken for the accuracy of this information.

CPD

The Data Science & Data Ethics **e-**Conference is recognised by many actuarial associations as formal further training. Please forward your actuview Watch Record 2020 (see your actuview profile under „Documentation") to your national association for recognition. The platform can only document the videos watched if your cookie blocker is not too restrictive. It can help to change the browser (recommendation: Firefox).

Please check with your local actuarial association how many CPD points or hours are available under the national CPD scheme of the relevant association for this event.

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