



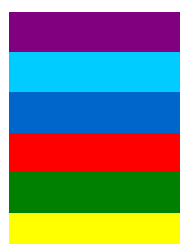
CLEF 2019

10th Conference and Labs of the Evaluation Forum
9-12 September 2019, USI, Lugano, Switzerland



Schedule Overview

	Monday	Tuesday	Wednesday	Thursday
	September 9 th	September 10 th	September 11 th	September 12 th
8:30	Registration	Registration	Registration	Registration
9:00	Keynote: Bruce Croft	Keynote: Yair Neuman	Session 6: Other Evaluation Initiatives	Keynote: Miguel Martinez
9:30				
10:00	Coffee Break	Coffee Break	Coffee Break	Coffee Break
10:30	Session 1: Lab Presentations	Session 5: Conference Papers	Session 7: Conference Papers	Session 9: Best of CLEF for Industry
11:00				The Future of CLEF
11:30				
12:00	Lunch Break	Lunch Break (with posters)	Lunch Break (with posters)	Lunch Break
12:30				
13:00				
13:30	Session 2: Best of 2018 Labs	Lab Session 1	Data Science in Europe	Session 10: Best of CLEF for Industry
14:00				
14:30				
15:00	Coffee Break	Coffee Break	Coffee Break	Coffee Break
15:30	Session 3: Lab Presentations	Lab Session 2	Session 8: Industry	Session 11: Industry
16:00			Lab Session 4	
16:30	Session 4: Poster Booster and Session	Lab Session 3	Session 8: Industry	
17:00			Lab Session 5	
17:30	CLEF 20 Years Celebration			Closing
18:00				
18:30	Welcome Reception (USI Courtyard)	Conference Dinner (Monte San Salvatore)	Civic Reception (Villa Ciani)	
19:00				
19:30				
20:00				
20:30				
21:00				
21:30				
22:00				



- Keynote (Auditorium)
- Plenary Session (Auditorium)
- Parallel Session (Lecture Rooms)
- Panel (Auditorium)
- Breaks (University Courtyard)
- Social Event (various locations)

Welcome Message

Welcome to this 10th edition of **CLEF**, the **Conference and Labs of the Evaluation Forum (CLEF 2019)**, organised and hosted by the Università della Svizzera Italiana (USI), in sunny Lugano.

Welcome to this special edition of CLEF. This edition is special because it celebrates two joint anniversaries. First, it celebrates the 10th year of CLEF as the Conference and Labs of the Evaluation Forum. Second, it also celebrates the 20th year of the CLEF initiative. In fact, CLEF was born in 2000 as the Cross-Language Evaluation Forum, run in conjunction with the European Conference on Digital Libraries (ECDL then, now TPD). In this edition, in Lugano, we will celebrate these milestones with special events and a “small party”, celebrating a few of those that were with CLEF from its very beginning.

Finally, this edition is also special because, for the first time, it hosts an Industry Day, jointly organized by USI and ZHAW (Zurich University of Applied Sciences) and with the support of the Swiss Alliance for Data-Intensive Services. We hope it will spring new interesting collaboration between academics and industry.

So, we really hope you will enjoy this edition of CLEF, with its four full days of invited speeches, panels, academic and industry talks, and parallel lab sessions.

Fabio Crestani & Martin Braschler
CLEF Conference Chairs



Organizing Committee

Conference Chairs:

Fabio Crestani, *Università della Svizzera italiana (USI), Switzerland*

Martin Braschler, *Zurich University of Applied Sciences (ZHAW), Switzerland*

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Mohammad Aliannejadi, *USI, Switzerland*

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Maram Barifah, *USI, Switzerland*

Manajit Chakraborty, *USI, Switzerland*

Monica Landoni, *USI, Switzerland*

Esteban Ríssola, *USI, Switzerland*

General Information about Lugano

Lugano is the largest city of Ticino, the Italian-speaking canton of Switzerland. The city is situated on the Lugano Lake between Monte San Salvatore and Monte Brè. This part of Switzerland is also known as the “Rio of the Old World” for the wooded, sugar-loaf hills which rise from the water and surround Lugano.



Lugano is an international city, full of energy and style. It is Switzerland's third most important financial center and offers both a high-quality life and a stunning picturesque landscape. Given the proximity to Italy, Lugano is deeply influenced by Italian culture and food.

The city center and the lake, with the beautiful Parco Ciani on the shore, are within walking distance of the Campus.



Conference Information

Registration Desk

Registration badge and other material can be collected onsite at the registration desk which will be open from 8:30 on Monday September 9th to Thursday September 12th.

Please register during the morning shortly before the conference opening to avoid long queue.

Internet & Wi-Fi facility

Throughout the campus it is possible to connect to the internet via a wireless network. You can connect to the Wi-Fi using Eduroam or using the following dedicated account:

Wi-Fi: USI-Inf-Conf
Password: Lugano2019

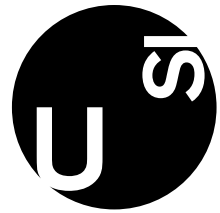
Emergency Numbers

Dean's office Faculty of Informatics:	+41 58 666 42 90 (09:15-12.30)
USI Campus Security:	+41 58 666 47 30 (17:00-07:00)
Ambulance:	144
Police:	117



Conference Venue

The 10th CLEF (Conference and Labs of the Evaluation Forum) is hosted by the Università della Svizzera italiana (USI) in Lugano, Switzerland.

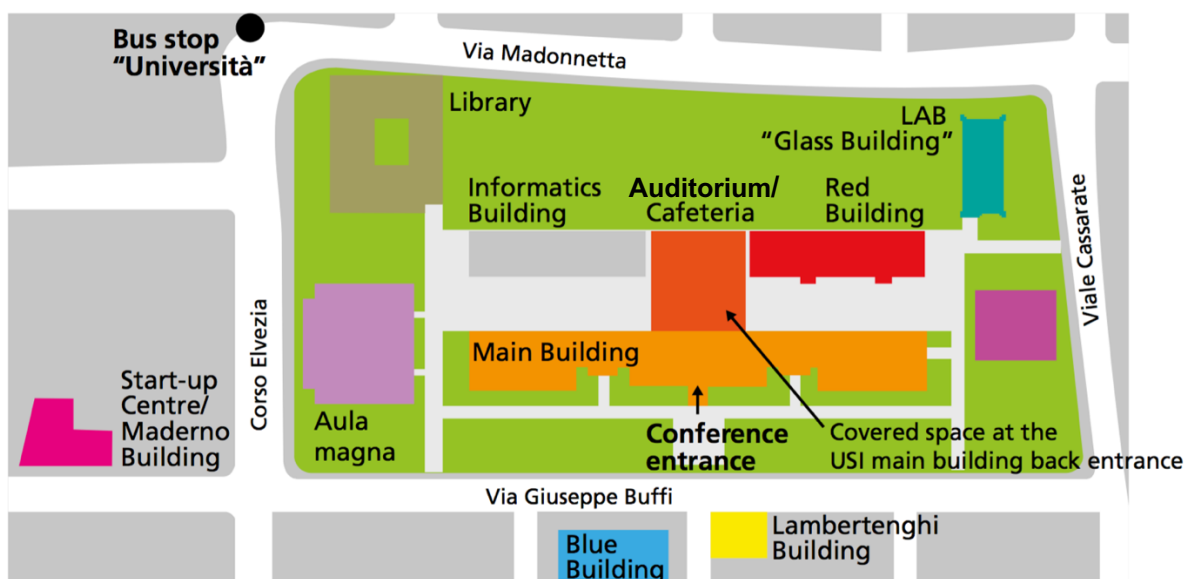


USI campus is located in the heart of Lugano, precisely in via Giuseppe Buffi, 13. It hosts the Faculties of Communication Sciences, Economics and Informatics, as well as the University central administrative offices and the library.

Keynote and plenary sessions talks will be held in the *Auditorium* of the University which is on the third floor of the Main Building. CLEF *specific labs* will instead be held in the Red Building (see the map below) in the locations indicated in the programme.



Map of the Campus



Coffee Breaks and Lunches

Coffee Breaks and Lunches (Courtyard)

Coffee breaks will take place in the university courtyard (the covered open space under the auditorium) at the times listed in the programme.

Lunch will be served from 12:00 to 14:00 lunch in the courtyard. There are usually 3 choices of meals:

- Menu of the day (typically meat or fish),
- Pasta,
- Vegetarian

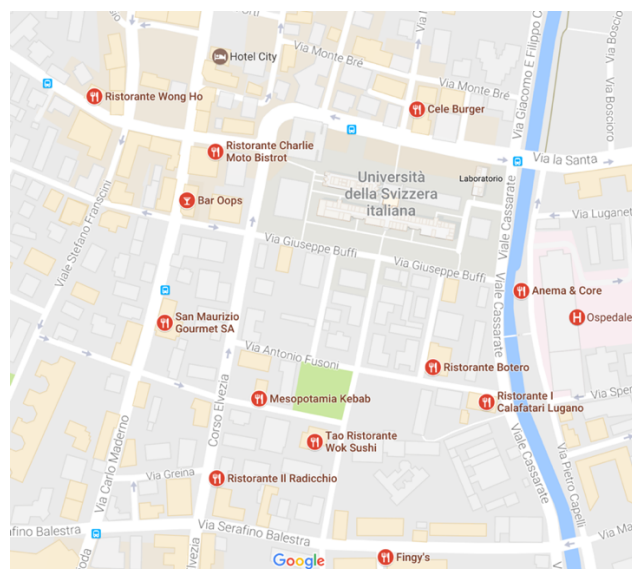
IMPORTANT: *Lunch is included in your registration!*

University Cafeteria (Mensa)

The cafeteria is in the main building and is open from Monday to Friday from 7:45 until 17:30 for any other needs.

Restaurants

Around the campus, there are several dining options, see picture bellow for suggestions.



Keynotes

Monday, September 9th

Prof. W. Bruce Croft, University of Massachusetts at Amherst, USA

The Relevance of Answers

There has been an increasing interest in information retrieval tasks that involve retrieving answers rather than documents in response to users' questions. This has been driven primarily by the demands of limited bandwidth environments such as voice-based search or mobile search, but also by progress in the development of retrieval models that have improved performance on these tasks. Research in this area has led to a growing understanding of the differences between answers and relevant documents, but the implications of these differences are not, in my opinion, fully appreciated. In this talk, I will review the work that has been done on ranking and understanding answers with the aim of identifying some of the key aspects of answers that should be studied to support the ongoing development of more effective search systems.

Tuesday, September 10th

Prof. Yair Neuman, Ben-Gurion University of the Negev, Israel

Automatic Analysis of Personality Dimensions through Digital Signatures: Vision, Achievements and Challenges

The term "personality" is used to describe relatively stable patterns of thought, emotion and behavior. While the analysis of personality has been traditionally conducted through the expert's "manual" analysis and personality questionnaires, it is currently possible to identify personality dimensions and disorders through the analysis of digital signatures produced by individuals in the social media. The emerging technologies for computational personality analysis have clear practical implications from the screening of depression, to the design of targeted advertisements suited for the individual's personality and up to the screening for solo perpetrators such as school shooters. In this talk, I will present the vision of computational personality analysis and its relevance

for current challenges in various fields. I will explain why the computational analysis of personality must rely on more sophisticated theories of personality than those used so far and will illustrate some notable achievements and directions from the automatic analysis of depression to the screening for solo terrorists. The talk will also include a critical examination of some ventures, such as those developed by IBM Personality Insights and the late Cambridge Analytica and will point to the challenges facing those who are interested in advancing the field.

Thursday, September 12th

Dr. Miguel Martinez, Signal AI, London, UK

Analysing the World's News: Learnings and Challenges from Industry

The talk will focus on the learnings from the last 6 years of research at Signal. It will showcase the efforts to transform the best research in IR/NLP to build a large-scale text analytics pipeline capable of processing millions of documents daily to power the Signal media monitoring and intelligence platform. The talk will touch not only technical details of the pipeline and its components but also the challenges and differences of working and evaluating different solutions in industry and the prioritisation and organisation differences.

Program

Day 1: Monday, September 9th, 2019

08.45 — 09:00

Opening Remarks

Fabio Crestani, USI, Switzerland & Martin Brachler, ZHAW, Switzerland

Location: Auditorium

09:00 — 10:00

Keynote Talk

Chair: Maristella Agosti, University of Padua, Italy

The Relevance of Answers

Bruce Croft, University of Massachusetts at Amherst, USA

Location: Auditorium

10:00 — 10:30

Coffee Break

10:30 — 12:00

Plenary Session 1: Labs presentations

Chair: David E. Losada, University of Santiago de Compostela, Spain

Location: Auditorium

Overview of CENTRE@CLEF 2019: Sequel in the Systematic Reproducibility Realm

Nicola Ferro, Norbert Fuhr, Maria Maistro, Tetsuya Sakai and Ian Soboroff

Overview of the CLEF-2019 CheckThat!: Automatic Identification and Verification of Claims

Tamer Elsayed, Preslav Nakov, Alberto Barrón-Cedeño, Maram Hasanain, Reem Suwaileh, Giovanni Da San Martino and Pepa Atanasova

Overview of the CLEF eHealth Evaluation Lab 2019

Liadh Kelly, Hanna Suominen, Lorraine Goeuriot, Mariana Neves, Evangelos Kanoulas, Dan Li, Leif Azzopardi and Rene Spijker

Overview of CLEF 2019 Lab ProtestNews: Extracting Protests from News in a Cross-context Setting

Ali Hürriyetoglu, Erdem Yörük, Deniz Yuret, Çağrı Yoltar, Burak Gürel, Firat Durusan, Osman Mutlu and Arda Akdemir

Overview of ImageCLEF 2019: Multimedia Retrieval in Medicine, Lifelogging, Security and Nature

Bogdan Ionescu, Henning Müller and Renaud Peteri

Overview of LifeCLEF 2019: Identification of Amazonian Plants, South & North American Birds, and Niche Prediction

Alexis Joly, Hervé Goëau, Christophe Botella, Stefan Kahl, Maximilien Servajean, Hervé Glotin, Pierre Bonnet, Bob Planque, Fabian-Robert Stöter, Willem-Pier Vellinga and Henning Müller

12:00 — 13:30

Lunch

13:30 — 15:00

Plenary Session 2: Best of 2018 Labs

Chair: Lorraine Goeuriot, Université Grenoble Alpes, France

Location: Auditorium

An Ensemble Approach to Cross-Domain Authorship Attribution

José Custódio and Ivandre Paraboni

Evaluation of Deep Species Distribution Models using Environment and Co-occurrences

Benjamin Deneu, Maximilien Servajean, Christophe Botella and Alexis Joly

Interactive Learning-based Retrieval Technique for Visual Lifelogging

Ergina Kavallieratou, Carlos Roberto Del-Blanco, Carlos Cuevas and Narciso García

An Effective Deep Transfer Learning and Information Fusion

Framework for Medical Visual Question Answering

Feifan Liu, Yalei Peng and Max P. Rosen

Language Modeling in Temporal Mood Variation Models for Early Risk Detection on The Internet

Waleed Ragheb, Jéôme Azé, Sandra Bringay and Maximilien Servajean

Medical Image Labeling and Semantic Understanding for Clinical Applications

Xuwen Wang, Zhen Guo, Yu Zhang and Jiao Li

15:00 — 15:30

Coffee Break

15:30 — 16:15

Plenary Session 3: Labs presentations

Chair: Henning Müller, HES-SO, Switzerland

Location: Auditorium

Overview of eRisk 2019: Early Risk Prediction on the Internet

David E. Losada, Fabio Crestani and Javier Parapar

Overview of PAN 2019: Bots and Gender Profiling, Celebrity Profiling, Cross-domain Authorship Attribution and Style Change Detection

Walter Daelemans, Mike Kestemont, Enrique Manjavacas, Martin Potthast, Francisco Manuel Rangel Pardo, Paolo Rosso, Günther Specht,

Efstathios Stamatatos, Benno Stein, Michael Tschuggnall, Matti Wiegmann and Eva Zangerle

Overview of the CLEF 2019 Personalised Information Retrieval Lab (PIR-CLEF 2019)

Gabriella Pasi, Gareth Jones, Lorraine Goeuriot, Liadh Kelly, Stefania Marrara and Camilla Sanvitto

16:15 — 17:00

Plenary Session 4: Poster Booster

Chair: Josiane Mothe, IRIT, France

Location: Auditorium

A User Modeling Shared Challenge Proposal

Owen Conlan, Kieran Fraser, Liadh Kelly and Bilal Yousuf

Unsupervised System Combination for Set-based Retrieval with Expectation Maximization

Han-Chin Shing, Joseph Barrow, Petra Galuščáková, Douglas Oard and Philip Resnik

How many labels? Determining the Number of Labels in Multi-Label Text Classification

Hosein Azarbonyad and Maarten Marx

Personality facets recognition from text

Wesley Santos and Ivandre Paraboni

Analyzing the adequacy of readability indicators to a non-English language

Hélder Antunes and Carla Lopes

Improving Ranking for Systematic Reviews Using Query Adaptation

Amal Alharbi and Mark Stevenson

How Lexical Gold Standards Have Effects On The Usefulness Of Text Analysis Tools For Digital Scholarship

Jussi Karlgren

Using Audio Transformations to Improve Comprehension in Voice Question Answering

Aleksandr Chuklin, Aliaksei Severyn, Johanne R. Trippas, Enrique Alfonseca, Hanna Silen and Damiano Spina

17:00 — 18:30

Plenary Session: CLEF 20 Years Celebration

Chair: Nicola Ferro, Università di Padova, Italy

Location: Auditorium

The Founding of CLEF

Martin Braschler, Zurich University of Applied Sciences, Switzerland.

The Importance of Shared Evaluations

Donna Harman, National Institute of Standards and Technology (NIST), USA

The Evolution of Shared Task Evaluation Campaigns

Doug Oard, University of Maryland, USA

CLEF from the Outside

Bruce Croft, University of Massachusetts, Amherst, USA

Me, myself and ImageCLEF

Alba García Seco de Herrera, University of Essex, UK

18:30 — 20:00

Welcome Reception

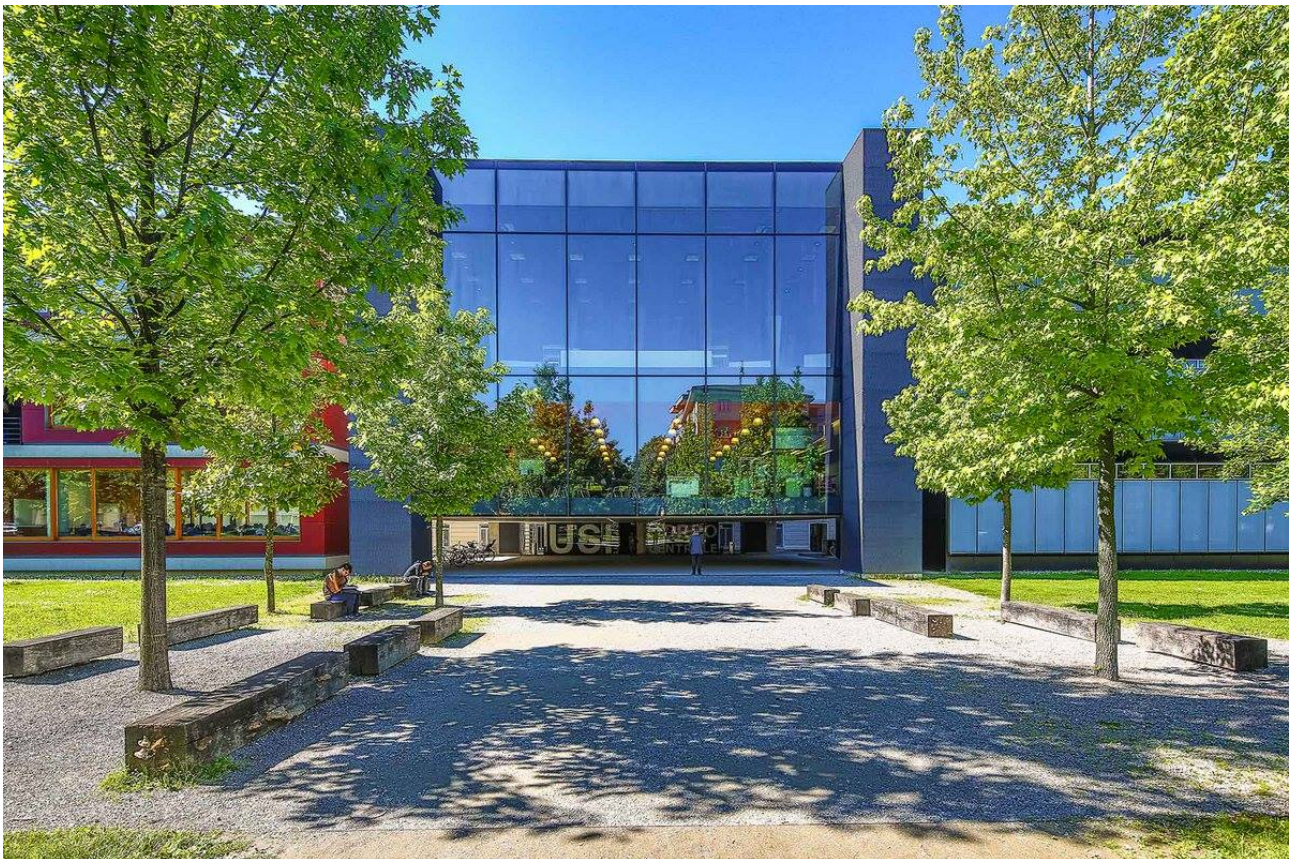
A reception will be served in the University Courtyard

Location: University Courtyard



Welcome Reception

On Monday, September 9th at 18:30 a welcome reception will be held in the University Courtyard (below the Cafeteria). A rich buffet of food and drinks will be offered, which will be delighted by live music by CLEF participants and guests.



Day 2: Tuesday, September 10th, 2019

09:00 — 10:00

Keynote Talk

Chair: Fabio Crestani, USI, Switzerland

Automatic Analysis of Personality Dimensions through Digital Signatures: Vision, Achievements and Challenges

Yair Neuman, Ben-Gurion University of the Negev, Israel

Location: Auditorium

10:00 — 10:30

Coffee Break

10:30 — 12:00

Plenary Session 5: Conference Papers

Chair: Elöd Egyed-Zsigmond, INSA-Lyon, France

Location: Auditorium

Sonny, Cerca! Evaluating the Impact of Using a Vocal Assistant to Search at School Monica Landoni, Davide Matteri, Emiliana Murgia, Theo Huibers and Maria Soledad Pera

Studying the Variability of System Setting Effectiveness by Data Analytics and Visualization

Sébastien Déjean, Josiane Mothe and Md Zia Ullah

TwitCID: a Collection of Data Sets for Studies on Information Diffusion on Social Networks

Thi Bich Ngoc Hoang, Josiane Mothe and Manon Baillon

Efficient Answer-Annotation for Frequent Questions

Markus Zlabinger, Navid Rekabsaz, Stefan Zlabinger and Allan Hanbury

12:00 — 13:30

Lunch with Poster Session

13:30 — 15:00

Parallel Lab Sessions 1

LifeCLEF

Location: Auditorium

eHealth

Location: A33

CENTRE

Location: A32

PAN

Location: A31

PIR-CLEF

Location: A34

ImageCLEF
Location: A22

15:00 — 15:30

Coffee Break

15:30 — 17:30

Parallel Lab Sessions 2

LifeCLEF
Location: Auditorium

eHealth
Location: A33

eRisk
Location: A32

PAN
Location: A31

CheckThat!
Location: A34

ImageCLEF
Location: A22

16:30 — 17:30

Parallel Lab Sessions 3

LifeCLEF
Location: Auditorium

eHealth
Location: A33

eRisk
Location: A32

PAN
Location: A31

CheckThat!
Location: A34

ImageCLEF
Location: A22

18:30 — 22:30

Conference Dinner
Monte San Salvatore, Paradiso

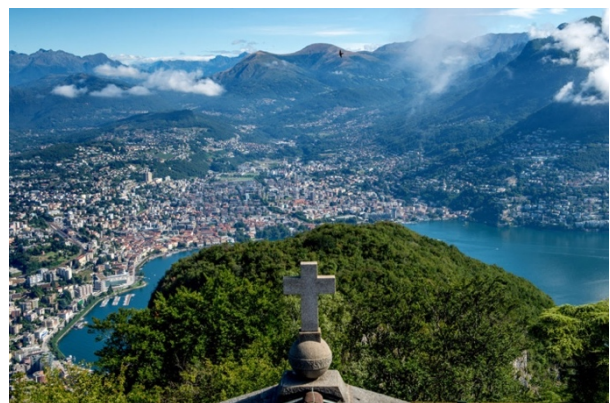
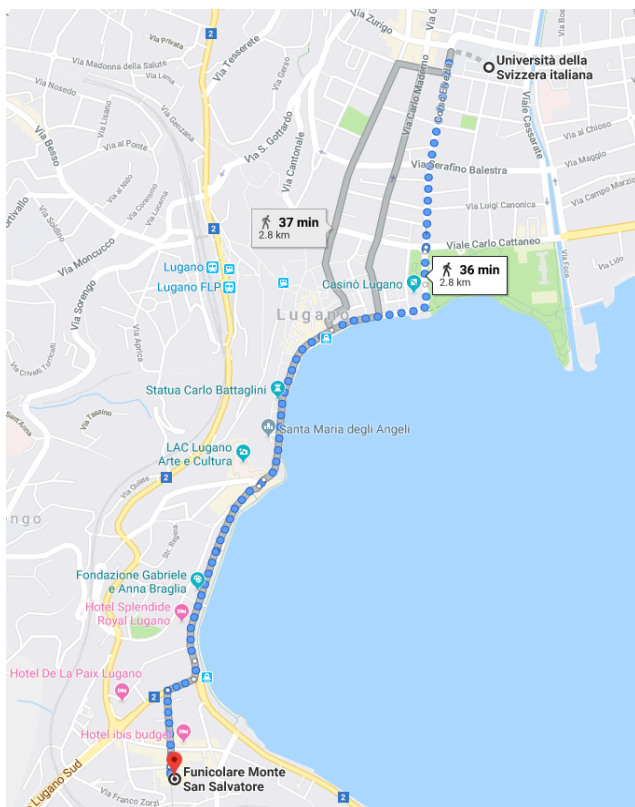
Conference Dinner

Ristorante Vetta Monte San Salvatore

On Tuesday, September 10th at 18:30 a conference dinner will be held in the Ristorante Vetta Monte San Salvatore. In order to reach the restaurant, you are going to take the Funicolare San Salvatore at Via delle Scuole 7, Lugano-Paradiso. The Funicolare is reversed for us at the following times: 18.30, 18.45 and 19.00 for going up; and 23.00, 23.15 and 23.30 for coming down. Please do not miss these rides!

How to get there

It is a 30 min walk along the shores of the lake from USI to reach the Funicolare that will take you up to Monte San Salvatore (see map). We could walk there all together (see the student volunteers to guide you there).



Day 3: Wednesday, September 11th, 2019

09:00 — 10:00

General Session 6: Other Evaluation Initiative

Chair: Nicola Ferro, University of Padua, Italy

Location: Auditorium

In memory of Séamus Lawless (Shay)

Gareth Jones, Dublin City University, Ireland

NTCIR

Noriko Kando

MediaEval

Gareth Johnes

TREC

Donna Harmann

10:00 — 10:30

Coffee Break

10:30 — 12:00

Plenary Session 7: Conference Papers

Chair: Andreas Rauber, Technical University of Vienna, Austria

Location: Auditorium

Stance Detection in Web and Social Media: A Comparative Study

Shalmoli Ghosh, Prajwal Singhanian, Siddharth Singh, Koustav Rudra and Saptarshi Ghosh

Cross-lingual depression detection in Twitter using bilingual word-level alignment

Denys Laritza Coello Guilarte, Rosa María Ortega Mendoza, Luis Villaseñor Pineda and Manuel Montes Y Gómez

Generating Cross-Domain Text Corpora from Social Media Comments

Benjamin Murauer and Günther Specht

12:00 — 13:30

Lunch with Poster Session

13:30 — 13:35

Welcome to the Industry Days

Martin Braschler, ZHAW, Switzerland

Location: Auditorium

13:35 — 15:00

Plenary Session: Panel on “Data Science in Europe”

Moderation: Martin Braschler, ZHAW, Switzerland

Location: Auditorium

Participants: Dorian Selz (Squirro), Kornelia Papp (SwissRe), Doug Oard (University of Maryland), Reinhard Riedl (National Research Council of the SNSF), Gareth Jones (Dublin City University)

15:00 — 15:30

Coffee Break

15:30 — 17:30

Industry Session

Chair: Miguel Martinez, Signal AI, London, UK

Location: Auditorium

CLEF Tutorial for Industry

Martin Braschler, ZHAW, Switzerland

Do You Have to Read All Incoming Documents?

Mark Cielibak, SpinningBytes/ZHAW, Switzerland

Operationalizing and scaling Machine Learning for real-life usage in enterprise contexts

Silvio Arcangeli, SAP, Switzerland

Thresholds for adopting systematic evaluation benchmarks in industrial settings

Jussi Karlgren, Gavagai, Sweden

15:30 — 16:30

Parallel Lab Sessions 4

ProtestNews

Location: A33

eRisk

Location: A32

PAN

Location: A31

CheckThat!

Location: A34

ImageCLEF

Location: A22

16:30 — 17:30

Parallel Lab Sessions 5

ProtestNews

Location: A33

eRisk

Location: A32

PAN

Location: A31

CheckThat!

Location: A34

ImageCLEF

Location: A22

18:30 — 21:00

Civic Reception

An aperò will be served in Villa Ciani, Parco Ciani, Lugano

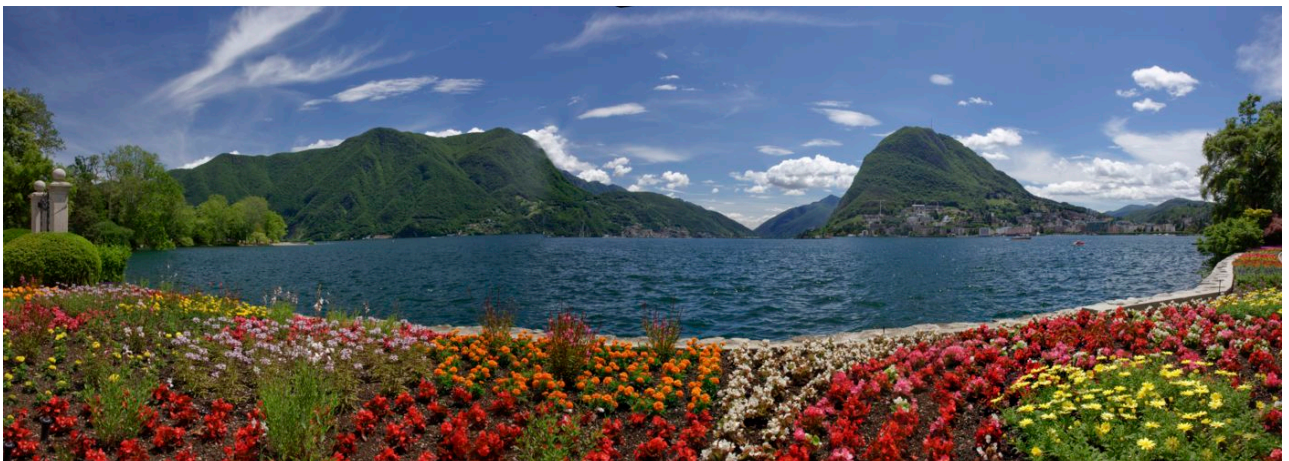
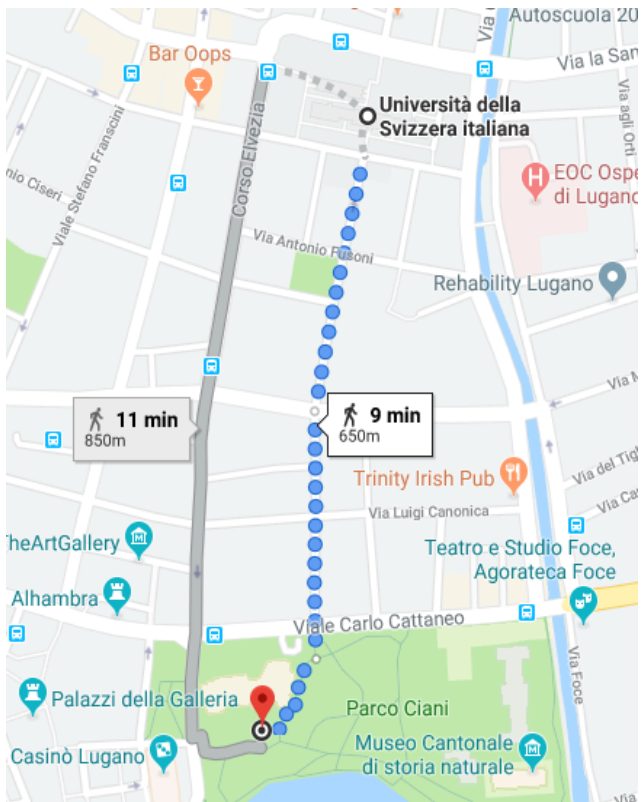


Civic Reception

Villa Ciani

On Wednesday, September 11th at 18:30 an aperò will be served in Villa Ciani, courtesy of the City of Lugano and of the Swiss Alliance for Data-Intensive Services.

Villa Ciani is located in the Parco Ciani, very close to the city center of Lugano (see map). Please enjoy a walk in the park after the aperò.



Day 4: Thursday, September 12th, 2019

- 09:00 — 10:00 **Keynote Talk**
Chair: Fabio Crestani, USI, Switzerland
Analysing the World's News: Learnings and Challenges from Industry
Miguel Martinez, Signal AI, London, UK
Location: Auditorium
- 10:00 — 10:30 **Coffee Break**
- 10:30 — 11:30 **Plenary Session 8: Best of CLEF for Industry**
Chair: Gundula Heinatz Bürki, Data+Service Alliance, Switzerland
Location: Auditorium

ImageCLEF - benchmarking multimodal image analysis and retrieval
Henning Müller, Applied University of Western Switzerland,
Switzerland

LifeCLEF: Biodiversity Identification and Prediction Challenges
Alexis Jolly, Inria/LIRMM, France
- 11:30 — 12:00 **Plenary Session: The Future of CLEF**
Chair: Nicola Ferro, Università di Padova, Italy
- 12:00 — 13:30 **Lunch**
- 13:30 — 15:00 **Plenary Session 9: Best of CLEF for Industry**
Chair: Melanie Geiger, Data+Service Alliance, Switzerland
Location: Auditorium

What can CLEF eHealth bring to the industry?
Lorraine Goeuriot, Université Grenoble Alpes, France

PAN Shared Tasks for Industry: Experiment Platforms and Author Profiling
Francisco Rangel, Autoritas Consulting, Spain & Martin Potthast,
Bauhaus University, Weimar, Germany

ProtestNews: Cross-context Event Information Collection from News
Ali Hürriyetoğlu, Osman Mutlu, Koc University, Turkey
- 15:00 — 15:30 **Coffee Break**
- 15:30 — 17:00 **Plenary Session 10: Industry Presentations**
Chair: Martin Braschler, ZHAW, Switzerland
Location: Auditorium

Information Access Problems in Life Insurance
José Iria, Mobiliar, Switzerland

Insight Extraction from Unstructured Data: Opportunities and Challenges

Alireza Ghasemi, ELCA, Switzerland

Live Monitoring for Jungfrau-Region

Christoph Glauser, ArgYou, Switzerland

17:00 — 17:15

The Future of CLEF/Industry Involvement

Chair: Martin Braschler, ZHAW, Switzerland

Location: Auditorium

17:15 — 17:30

Plenary Session: Closing


Chair: Fabio Crestani, USI, Switzerland

Location: Auditorium




CLEF 2020

See you next year at CLEF 2020 that will be hosted by the at the **Centre for Research & Technology Hellas (CERTH)**, in Thessaloniki, Greece, on 22-25 September 2020.



CLEF 2020 Conference and Labs of the Evaluation Forum
Information Access Evaluation meets Multilinguality, Multimodality, and Visualization
22 - 25 September 2020, Thessaloniki - Greece



CLEF 2020 Thessaloniki

Home

Programme

- Conference Sessions
- Community Sessions

Keynote Talks

Conference

- Accepted Papers
- Call for Papers

Labs

- Call for Lab Proposals**
- Call for Labs Participation
- Labs Registration

Slides

Registration

Poster Session

Venue

- About Thessaloniki**
- Travel & Accommodation



Publications

- WN Instructions

Welcome

CLEF 2020 is the 11th CLEF conference continuing the popular CLEF campaigns which have run since 2000 contributing to the systematic evaluation of information access systems, primarily through experimentation on shared tasks. Building on the format first introduced in 2010, CLEF 2020 consists of an independent peer-reviewed conference on a broad range of issues in the fields of multilingual and multimodal information access evaluation, and a set of labs and workshops designed to test different aspects of mono and cross-language Information retrieval systems. Together, the conference and the lab series will maintain and expand upon the CLEF tradition of community-based evaluation and discussion on evaluation issues.

CLEF 2020 will be hosted at the **Centre for Research & Technology Hellas (CERTH)**, Thessaloniki, Greece, 22-25 September 2020.



[Tweets about #clef2020 OR @clef_initiative](#)

Notes

Notes

Organisers



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für Angewandte Wissenschaften



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SIGIR
Special Interest Group
on Information Retrieval