ImageCLEF 2017

CLEF, *11-14 September*, Dublin, Ireland

http://www.imageclef.org/2017

Call for Participation

ImageCLEF 2017 is an evaluation campaign that is being organized as part of the CLEF initiative labs.

The campaign offers several research tasks that welcome participation from teams around the world.

The results of the campaign appear in the working notes proceedings, published by CEUR Workshop Proceedings (CEUR-WS.org) and are presented in the CLEF workshop.

Selected contributions among the participants will be invited for publication in the following year in the Springer Lecture Notes in Computer Science (LNCS) together with the annual lab overviews.

Target communities involve (but are not limited to):
- information retrieval (text, vision, audio, multimedia, social media, sensor data, etc.)
- machine learning, deep learning
- data mining
- natural language processing
- image and video processing
- remote sensing
with special attention to the challenges of multi-modality, multi-linguality, and interactive search.

Overall coordination

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Contact

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ImageCLEFlifelog: The availability of a large variety of personal devices, e.g., smartphones, video cameras as well as wearable devices that allow capturing pictures, and videos in every moment of our life is creating the need for systems that can automatically categorize, summarize and retrieve these data. The task addresses the problems of lifelogging data retrieval and summarization.

Organizers: Duc-Tien Dang-Nguyen (*Dublin City University*), Luca Piras (*University of Cagliari*), Michael Riegler (*University of Oslo*), Cathal Gurrin (*Dublin City University*), Giulia Boato (*University of Trento*).

ImageCLEFcaption: Interpreting and summarizing the insights gained from medical images such as radiology output is a time-consuming task. As a consequence, there is a considerable need for automatic methods that can approximate this mapping from visual information to condensed textual descriptions. The task addresses the problem of bio-medical image caption prediction from large training data.

Organizers: Carsten Eickhoff (*ETH Zurich*), Immanuel Schwall (*ETH Zurich*), Henning Müller (*HES-SO*)

ImageCLEFtuberculosis: The objective of the task is to determine the tuberculosis subtypes and drug resistances as much as possible automatically from the volumetric image information in computed tomography (CT) volumes (mainly texture analysis) and based on clinical information (e.g., age, gender, etc).

Organizers: Vassili Kovalev (*Institute for Informatics Minsk*), Henning Müller (*HES-SO*), Alexander Kalinovsky (*Institute for Informatics Minsk*).

ImageCLEFremote (pilot task): The objective of the task is to explore Earth observation images (Sentinel Copernicus satellite images) to discover unknown information. Before engaging any rescue operation or humanitarian action, NGOs need to evaluate the local population as accurately as possible. In this task, participants will be given various zones plus some contextual information. They will have to provide the prediction of the population and related tasks.

Organizers: Helbert Arenas (*Université de Toulouse*), Bayzidul Islam (*Technische Universität Darmstadt*), Josiane Mothe (*Université de Toulouse*), Dimitrios Soudris (*Institute of Communication and Computer Systems*)

Important dates (may vary depending on the task)

Task registration opens: *November 14*, 2016

Run submission: *May 1*, 2017

Working notes submission: *May 26*, 2017

CLEF long paper submission: *April 28*, 2017

CLEF short paper submission: *May 5*, 2017

CLEF 2017 conference: *September 11-14*, Dublin, Ireland