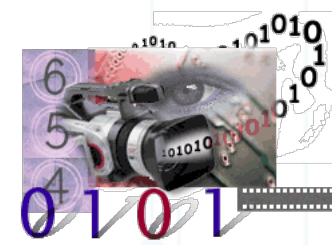


Final Items and Planning for TRECVID 2021

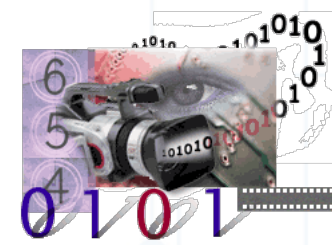
Reminders



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- Please email an **updated final version** of your notebook paper by **26 Feb. 2021** to gawad@nist.gov
- If your draft notebook paper is considered **FINAL**, **then also let us know!**
- Please use the citations guidelines to give credit for resources used (see trecvid.nist.gov)
- If you gave a **presentation or a poster**, please email us a **pdf copy** to put it on the website proceedings page
- Please fill in the conference survey sent to you to get feedback about TRECVID 2020

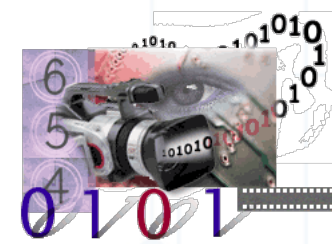
Reminders



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- Please send new bibliography of your peer-reviewed work using the TRECVID resources to gawad@nist.gov
- The call for participation will go out around Jan/Feb. 2021 with applications due end of May. **Please forward the call to your colleagues & network, and post to mailing lists.**
- **Reminder: you must apply for TRECVID call to participate each year.**
- Please feel free to propose “New Needed Tasks” - *due Sep, 2021 to start in 2022*)

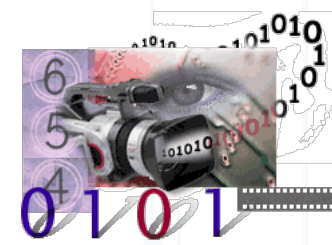
New Task Proposals Should



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- State the goals of the **real world** task being modeled
 - What user task is being modelled; what problem(s) will be addressed; who, besides researchers, cares about it?
 - What is expected to be learned?
 - What valuable infrastructure would be created if the task were run?
- Describe the system task in terms of inputs and outputs
- Define the evaluation procedure and measure(s)
 - Where would assessing/annotation occur (NIST? elsewhere?).
 - Are there any special qualifications or domain expertise required of the assessors/annotators?
 - How much effort would such annotation/assessing require?
- Identify development and evaluation data (Type, Quantity, Availability)
- Who can serve as the task coordinator (external, NIST, external+NIST)

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**Dates: Nov. 17 – 19 (if in-person)
Dec. 7 – 10 (if Virtual)**

**Slack channels for TRECVID 2021 active
participants**

Ad-hoc Video Search (AVS)

- **Default plan:**
 - Continue working with V3C1 dataset
 - Release 20 new ad-hoc Queries in 2021
 - Review 2021 queries to add a bit of hard cases:
 - E.g. Boolean and preposition
 - Evaluate 10/20 Progress Queries
 - Measure progress over 3 years (2019-2021)
 - Update shot judging to also include border cases (e.g. near miss, near hit)
- We welcome any further feedback/suggestions



Video-to-Text (VTT)

- Default Plan:

- Continue with V3C2 dataset
- Continue Description Generation
- **New progress subtask**
- **New subtask (VQA)**
 - Fill-in-the-space (Given a video and incomplete sentence, a system should return a suitable word(s))
 - Goal: Test VTT systems how well they really see/understand the video content.
 - **Please provide feedback about annotators guidelines to choose keywords to allow testing systems meaningfully**
- **We welcome any further feedback/suggestions**



Tentative 2021 Plans

TRECVID'21 Activities in Extended Videos (ActEV)

- **Default plan:**
 - Continue with the VIRAT Dataset
 - Continue with the same 35 Target Activities
 - To the existing Evaluation Metrics add mAP as a Secondary Metric
 - Compare the results for the last three years (2019-2021)

Based on TRECVID'21 ActEV evaluation results, we are planning to have a combined arXiv report or a journal paper with combined contribution of NIST and all the participants (AUDC > Threshold).

- We welcome any further feedback/suggestion



Instance Search (INS)

- **Default plan:**
 - Continue working with the Eastenders dataset
 - Release 20 new **Person+Action** Queries in 2021
 - Evaluate 10/20 Progress Queries
 - Measure progress over 3 years (2019-2021)
- **Searching for new dataset for TRECVID 2022**
 - We welcome any further feedback/suggestions



Video Summarization (VSUM)

- **Default plan:**
 - Continue working with the Eastenders dataset
 - Make ground truth from this year available for training next years systems
 - Release 3 new character queries in 2021
 - Explain in advance definitions for tempo/contextuality/redundancy
 - 3 different **tracks**:
 - 1 - Questions provided in advance
 - 2 - Questions on storyline, not known in advance
 - 3 - Questions on saliency, not known in advance
- **We welcome any further feedback/suggestions**



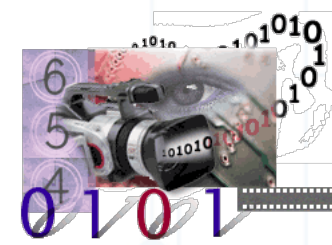
Disaster Scene Description & Indexing (DSDI)

- **Default plan:**
 - Continue with comparable testing dataset from the same 2020 disaster event source.
 - Enhance LADI with better labels, documentation, etc
 - Teams are encouraged to share new LADI annotations with other teams and coordinators
- There is a chance we may be able to add **drones** video as testing dataset
- **We welcome any further feedback/suggestions**



General Suggestions/Questions

- *How can we encourage more collaboration across teams?*
 - *Sharing baseline systems, model scores, etc*
 - *Please send suggestions for new software development resources (e.g. gitHub repos, etc) to be added to the tools & resources link at our website:
<http://www.nlpir.nist.gov/projects/trecvid/tv.resources.html>*
 - *We may ask teams to submit with their runs a link to their GitHub (if exists)*
- *How can we attract more teams to join TRECVID ? Specifically to get more teams to submit runs? (E.g. Would writing a joint journal paper by top X performing teams be a good motivation?)*
- *Any general comments or feedback to the organizers ?*



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Thank You!
See you again in TRECVID 2021