

Research Project

Sketch-based Multimedia Retrieval

Project funded by own resources

Project title Sketch-based Multimedia Retrieval

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Organisation / Research unit

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Project start 01.03.2010

Probable end 31.03.2023

Status Completed

Most current approaches to image retrieval rely on either keywords (that will be evaluated against mainly manually provided metadata) or dedicated query objects (query-by-example). In our work, we consider *query-by-sketch*, an approach that allows users to specify (parts) of the image they search for on the basis of a color and/or edge sketch. Particular attention will be given to user interfaces and devices, partial matches, invariances in terms of rotation, displacement, scale, etc.

Financed by

University funds

Follow-up Project of... [814853 MM-DocTable: Multimedia Document Engineering Workflows on Table-top Devices](#).

Add publication

Published results

2185294, Al Kabary, Ihab; Schuldt, Heiko, SportSense: using motion queries to find scenes in sports videos, Publication: ConferencePaper (Artikel, die in Tagungsbänden erschienen sind)

2185301, Al Kabary, Ihab; Giangreco, Ivan; Schuldt, Heiko; Matulic, Fabrice; Norrie, Moira, QUEST: towards a multi-modal CBIR framework combining query-by-example, query-by-sketch, and text search, 978-1-4799-2171-3, Publication: ConferencePaper (Artikel, die in Tagungsbänden erschienen sind)

2185309, Al Kabary, Ihab; Schuldt, Heiko, Towards sketch-based motion queries in sports videos, Publication: ConferencePaper (Artikel, die in Tagungsbänden erschienen sind)

2301776, Al Kabary, Ihab; Schuldt, Heiko, Using hand gestures for specifying motion path queries in sketch-based video retrieval, Springer , Publication: ConferencePaper (Artikel, die in Tagungsbänden erschienen sind)

2618937, Giangreco, Ivan; Al Kabary, Ihab; Schuldt, Heiko, ADAM - a database and information retrieval system for big multimedia collections, 2379-7703 ; 978-1-4799-5057-7, Publication: ConferencePaper (Artikel, die in Tagungsbänden erschienen sind)

2618938, Giangreco, Ivan; Al Kabary, Ihab; Schuldt, Heiko, ADAM - a system for jointly providing IR and database queries in large-scale multimedia retrieval, 978-1-4503-2257-7, Publication: ConferencePaper (Artikel, die in Tagungsbänden erschienen sind)

2697400, Al Kabary, Ihab; Schuldt, Heiko, Enhancing sketch-based sport video retrieval by suggesting relevant motion paths, 978-1-4503-2257-7, Publication: ConferencePaper (Artikel, die in Tagungsbänden erschienen sind)

2803282, Al Kabary, Ihab; Schuldt, Heiko, SKETCHify - an Adaptive Prominent Edge Detection Algorithm for Optimized Query-by-Sketch Image Retrieval, 978-3-319-12092-8, Publication: ConferencePaper (Artikel, die in Tagungsbänden erschienen sind)

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