Publications
Archives
Volumes
Full Text Search
Title and Author Search
Annals
ISPRS Journal
ISPRS Journal Geo-Info
ISPRS eBulletin
ISPRS Highlights
Book Series
Brochure
ISPRS Profile
Annual Reports
Related Publications
Booklets

Volume XXXIX-B3

GESTALT GROUPING ON FAÇADE TEXTURES FROM IR IMAGE SEQUENCES: COMPARING DIFFERENT PRODUCTION SYSTEMS

E. Michaelsen[1], D. Iwaszczuk[2], L. Hoegner[2], B. Sirmacek[3], and U. Stilla[2]

[1] Fraunhofer-IOSB, Gutleuthausstrasse 1, 76275 Ettlingen, Germany
[2] Technische Universitaet Muenchen (TUM), Photogrammetry and Remote Sensing, 80333 Muenchen, Germany
[3] German Aerospace Center (DLR), Remote Sensing Technology Institute, 82234 Wessling, Germany

Keywords: Façade recognition, thermal imagery, production systems

Abstract. The façades of buildings are almost always organized according to Gestalt principles such as *good continuation*, *repetition in similarity*, or *symmetry* etc. Coding such principles in production systems yields a very flexible frame to explore the usefulness of such principles in automatic façade understanding. Capturing images and image sequences of façades in the thermal domain and understanding such data is of importance e.g. for energy saving. In this contribution two different production systems are compared using the same data and interpreter.

Conference Paper (PDF, 919 KB)

Citation: Michaelsen, E., Iwaszczuk, D., Hoegner, L., Sirmacek, B., and Stilla, U.: GESTALT GROUPING ON FAÇADE TEXTURES FROM IR IMAGE SEQUENCES: COMPARING DIFFERENT PRODUCTION SYSTEMS, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XXXIX-B3, 303-308, doi:10.5194/isprsarchives-XXXIX-B3-303-2012, 2012.

Bibtex   EndNote   Reference Manager   XML