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Shuo Chen

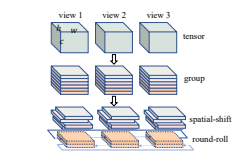*PhD Candidate, UvA*

Education

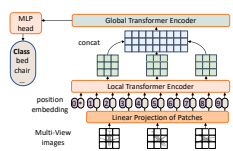|	
01/2018 - 12/2022	**PhD Candidate**, *Video & Image Sense Lab*, University of Amsterdam Advisors: Cees G.M. Snoek, Pascal Mettes
09/2014 - 06/2017	**M.Eng.**, *Department of Electronic Engineering, Tsinghua University*, GPA 3.33/4.0 Thesis: Research on Transfer Learning Algorithm based on Generating Weighted Subspaces
09/2010 - 06/2014	**B.Eng.**, *School of Internet of Things, Nanjing University of Posts and Telecommunications*, GPA 3.26/4.0

Professional Experience

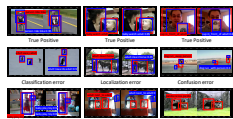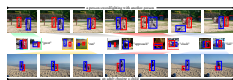|	
06/2021 - 09/2021	**Cognitive Computing Lab, Baidu Research**, Beijing, China *Research intern. Mentors: Dr. Tan Yu and Dr. Ping Li*
03/2016 - 07/2016	**Shenzhen Cloudream Technology Co., Ltd.**, Shenzhen, China *Algorithm Developer Intern* Designed algorithms to remove seams in stitched face images with OpenCV using C++.

Publications (🔗 Google Scholar)

R^2-MLP: Round-Roll MLP Architecture for Multi-View 3D Object Recognition
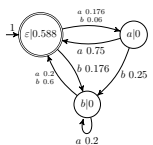<u>Shuo Chen</u>, Tan Yu, and Ping Li.
In submission.

MVT: Multi-view Vision Transformer for 3D Object Recognition
<u>Shuo Chen</u>, Tan Yu, and Ping Li.
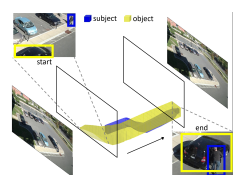British Machine Vision Conference (**BMVC**), 2021. 🔗 paper

Diagnosing Errors in Video Relation Detectors
<u>Shuo Chen</u>, Pascal Mettes, and Cees G. M. Snoek.
British Machine Vision Conference (**BMVC**), 2021. 🔗 paper 🔗 code

Social Fabric: Tubelet Compositions for Video Relation Detection
<u>Shuo Chen</u>, Zenglin Shi, Pascal Mettes, and Cees G. M. Snoek.
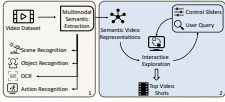IEEE International Conference on Computer Vision (**ICCV**), 2021. 🔗 paper 🔗 code

Learning Probabilistic Automata Using Residuals
Wenjing Chu, <u>Shuo Chen</u>, Marcello M. Bonsangue.
International Colloquium on Theoretical Aspects of Computing (**ICTAC**), 2021. **(Oral)** 🔗 paper

Interactivity Proposals for Video Surveillance
<u>Shuo Chen</u>, Pascal Mettes, Tao Hu and Cees G. M. Snoek.
ACM International Conference on Multimedia Retrieval (**ICMR**), 2020. **(Oral)** 🔗 paper 🔗 code
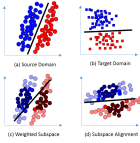
Interactive Exploration of Journalistic Video Footage through Multimodal Semantic Matching

Sarah Ibrahimi, **Shuo Chen**, Devanshu Arya, Arthur Camara, Yunlu Chen, Tanja Crijns, Maurits van der Goes, Thomas Mensink, Emiel van Miltenburg, Daan Odijk, William Thong, Jiaojiao Zhao,and Pascal Mettes

ACM International Conference on Multimedia (**ACMMM**), 2019. 🔗 paper

Visual Domain Adaptation using Weighted Subspace Alignment

Shuo Chen, Fei Zhou, and Qingmin Liao

IEEE International Conference on Visual Communications and Image Processing (**VCIP**), 2016. **(Oral)** 🔗 paper 🔗 code 🔗 slides

Research Interests

I am interested in the area of computer vision and machine learning including: human-object interaction; scene graph generation; video understanding; 3D object recognition; meta learning; domain adaptation.

Professional Activities

Reviewers
- Conferences: ECCV 2022, CVPR 2022, ICLR 2022, ICCV 2021, ECCV 2020
- Journals: CVIU, ACM TOMM

Attended Conferences
- ICCV, Virtual Conference, 10/2021
- ICLR, Virtual Conference, 05/2021
- NeurIPS, Virtual Conference, 12/2020
- ICMR, Virtual Conference, 10/2020
- CVPR, Virtual Conference, 06/2020
- Computer Vision Summit, Google Zurich, 09/2018

Teaching

Teaching Assistant, University of Amsterdam
- Applied Machine Learning (Autumn 2020)
- Computer Vision 1 (Autumn 2020)
- Big Data (Spring 2020)
- Leren (Autumn 2019)
- Computer Vision 2 (Spring 2019)
- Computer Vision 2 (Spring 2018)

M.SC. thesis supervision

Weitao Luo, Exploiting Object Context for Spatio-Temporal Action Detection, 2020

Yiangos Georgiou, Region Anchor Prediction for Single Stage Detectors, 2019

Computer Skills

Deep learning framework	*Programming language*	*Operating system*
PyTorch	Python	Linux
TensorFlow	C++	macOS
	MATLAB	Windows