

RESEARCH INTERESTS

Computer Vision, Deep Learning, human pose estimation, object detection and recognition, action recognition, face recognition, person re-identification, multi-target tracking

EDUCATION

Ph.D. in Computer Science (*summa cum laude*) Mar. 2014 – Nov. 2018

[University of Bonn](#), Germany

Supervisor: [Prof. Juergen Gall](#)

Research topic: Articulated Human Pose Estimation in Unconstrained Images and Videos

M.Sc. in Information Technology (*distinction*) Aug. 2011 – Sep. 2013

[Tampere University of Technology](#), Finland

Supervisor(s): [Prof. Moncef Gabbouj](#) and [Dr. Igor Curcio](#)

Thesis title: Important Person Detection from Multiple Videos

B.Sc. in Computer Engineering Sep. 2006 – Aug. 2010

[COMSATS Institute of Information Technology \(CIIT\)](#), Lahore, Pakistan

Supervisor: [Dr. Saquib Sarfraz](#)

Thesis title: Vision Based Car Make and Model Recognition

WORK EXPERIENCE

Research Scientist

Jan. 2019 – Present

Learning and Perception Group, [NVIDIA Research](#), USA

Research Assistant

Mar. 2014 – Dec. 2018

[Computer Vision Group](#), [University of Bonn](#), Germany

- 2D and 3D Human Pose Estimation
- Multi-target Tracking
- Action Recognition
- Teaching Assistant: Computer Vision I & II, Selected Topics in Computer Vision, Lab Vision: RGBD cameras
- Mentoring bachelor and master's thesis students

Research Intern

Oct. 2017 – Mar. 2018

Learning and Perception Group, [NVIDIA Research](#), USA

Mentors: [Jan Kautz](#) and [Pavlo Molchanov](#)

- 2D and 3D Hand Pose Estimation from Monocular Images

Project Researcher

Nov. 2013 – Dec. 2013

[Multimedia Research Group](#), [Tampere University of Technology](#), Finland

- Large Scale Object Recognition

Computer Vision Research Assistant (External)

Sep. 2011 – Oct. 2013

Contextual Media Systems Team, [Nokia Research Center](#), Tampere, Finland

- Semi-supervised Person Re-identification
- Face and Person Tracking
- Aesthetic Image Quality Assessment
- Transition Effects for Video Remixing











Research Associate

Aug. 2010 – Aug. 2011

Computer Vision Research Group, COMSATS Institute of Information Technology, Pakistan

- Vehicle Make and Model Recognition
- Automatic Driver Assistance System
- Number Plate Detection and Recognition
- Teaching Assistant, Digital Image Processing

PUBLICATIONS



- [1] **U. Iqbal**, P. Molchanov, T. Breuel, J. Gall, J. Kautz. Hand Pose Estimation via 2.5D Latent Heatmap Regression. ECCV (2018). 
- [2] A. Doering, **U. Iqbal**, J. Gall. JointFlow: Temporal Flow Fields for Multi Person Pose Tracking. BMVC (2018). 
- [3] M. Andriluka, **U. Iqbal**, A. Milan, E. Insafutdinov, L. Pishchulin, J. Gall and B. Schiele. PoseTrack: A Benchmark for Human Pose Estimation and Tracking. CVPR (2018). 
- [4] **U. Iqbal**, A. Doering, H. Yasin, B. Krüger, A. Weber, and J. Gall. A Dual-Source Approach for 3D Human Pose Estimation from Single Images. CVIU (2018). 
- [5] **U. Iqbal**, A. Milan and J. Gall. PoseTrack: Joint Multi-Person Pose Estimation and Tracking. CVPR (2017). 
- [6] **U. Iqbal**, M. Garbade and J. Gall. Pose for Action Action for Pose. FG (2017). 
- [7] **U. Iqbal** and J. Gall. Multi-Person Pose Estimation with Local Joint-to-Person Associations. ECCV Workshops (2016). 
- [8] H. Yasin*, **U. Iqbal***, B. Krüger, A. Weber and J. Gall. A Dual Source Approach for 3D Pose Estimation from a Single Image. CVPR (2016). *equal contribution 
- [9] **U. Iqbal**, I. D. D. Curcio and M. Gabbouj. Who is the Hero? – Semi-Supervised Person Re-Identification in Videos. VISAPP (2014). 
- [10] **U. Iqbal**, S.W. Zamir, M.H. Shahid, K. Parwaiz, M. Yasin and M.S. Sarfraz. Image Based Vehicle Type Identification. ICIET (2010). 

SCIENTIFIC SERVICES

Reviewer

TPAMI, CVPR, ICCV, NIPS, ICML, ACCV, 3DV, TMM.

Workshop(s)

- Organizer of the “2nd PoseTrack Challenge on Human Pose Estimation and Tracking in the Wild” in conjunction with ECCV (2018), Munich, Germany. 
- Organizer of the “1st PoseTrack Challenge on Human Pose Estimation and Tracking in the Wild” in conjunction with ICCV (2017), Venice, Italy. 

AWARDS

- Best Poster Award at the 4th Workshop on Observing and Understanding Hands in Action (HANDS), in Conjunction with ECCV, 2018, Munich, Germany.
- Third best project award at the 2nd International Conference on Machine Vision, 2010, Islamabad, Pakistan.