

Badour AlBahar

ASSISTANT PROFESSOR IN THE DEPARTMENT OF COMPUTER ENGINEERING AT KUWAIT UNIVERSITY

Sabah Al-Salem University City, Kuwait

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Research Interest

My research interests are in the area of Computer Vision. I am particularly interested in controllable image synthesis.

Education

Virginia Polytechnic Institute and State University (Virginia Tech)

PH.D. IN COMPUTER ENGINEERING

Advisor: Jia-Bin Huang

Thesis: "Controllable Visual Synthesis."

Blacksburg, VA, USA

August 2018 - May 2023

Virginia Polytechnic Institute and State University (Virginia Tech)

M.S. IN COMPUTER ENGINEERING

Advisor: Jia-Bin Huang

Thesis: "Im2vid: Future Video Prediction for Static Image Action Recognition."

Blacksburg, VA, USA

August 2016 - May 2018

Kuwait University

B.S. IN COMPUTER ENGINEERING

Distinction with Class Honors

Khaldiya, Kuwait

September 2010 - July 2014

Publications

JOURNAL ARTICLES

Pose with Style: Detail-Preserving Pose-Guided Image Synthesis with Conditional StyleGAN

Badour AlBahar, Jingwan Lu, Jimei Yang, Zhixin Shu, Eli Shechtman, Jia-Bin Huang

ACM Transactions on Graphics (2021). 2021

CONFERENCE PROCEEDINGS

Single-Image 3D Human Digitization with Shape-Guided Diffusion

Badour AlBahar, Shunsuke Saito, Hung-Yu Tseng, Changil Kim, Johannes Kopf, Jia-Bin Huang

Proceedings of SIGGRAPH Asia, 2023

Temporally Consistent Semantic video Editing

Yiran Xu, Badour AlBahar, Jia-Bin Huang

Proceedings of the IEEE European Conference on Computer Vision, 2022

Guided Image-to-Image Translation with Bi-Directional Feature Transformation

Badour AlBahar, Jia-Bin Huang

Proceedings of the IEEE International Conference on Computer Vision, 2019

Work Experience

Kuwait University

ASSISTANT PROFESSOR, COMPUTER ENGINEERING DEPARTMENT

Sabah Al-Salem University City,

Kuwait

June 2023 - present

Meta

RESEARCH INTERN

Worked with Shunsuke Saito, Hung-Yu Tseng, Changil Kim, Xuejian Rong, Ayush Saraf, Johannes Kopf, and Jia-Bin Huang.

Seattle, Washington

January 2022 - May 2022

Adobe Research

RESEARCH INTERN

Worked with Jimei Yang, Cynthia Lu, Yang Zhou, Zhixin Shu, and Eli Shechtman.

San Jose, California

Summer 2021

Kuwait National Petroleum Company

COMPUTER ENGINEER - COMPUTER OPERATIONS AND ADMINISTRATION, DATA CENTER
OPERATIONS DIVISION

Ahmadi, Kuwait

February 2015 - July 2016

Honors & Awards

Full scholarship to pursue M.S. and Ph.D. degrees.

KUWAIT UNIVERSITY SCHOLARSHIP PROGRAM

Khaldiya, Kuwait

August 2016

Valedictorian of the Graduates of Excellence Class of 2013/2014

GRADUATES OF EXCELLENCE CEREMONY CLASS OF 2013/2014 UNDER THE PATRONAGE AND
PRESENCE OF THE AMIR OF KUWAIT

Shuwaikh, Kuwait

March 2015

Top 10 students graduating from College of Engineering and Petroleum for the academic year of 2013/2014

GRADUATES OF EXCELLENCE CEREMONY CLASS OF 2013/2014 UNDER THE PATRONAGE AND
PRESENCE OF THE AMIR OF KUWAIT

Shuwaikh, Kuwait

March 2015

Dean's Honor list and Outstanding Students list

COLLEGE OF ENGINEERING AND PETROLEUM, KUWAIT UNIVERSITY

Khaldiya, Kuwait

2012 - 2014

Top Outstanding Student Award

KUWAIT UNIVERSITY

Khaldiya, Kuwait

2012

Award of Excellence and Creativity from the Amir Sheikh Sabah AlAhmad Al-Jaber Al-Sabah

MINISTRY OF EDUCATION

Khaldiya, Kuwait

June 2013

Reviewing Activities

- ICCV (2021, 2023).
- CVPR (2023).
- SIGGRAPH (2022, 2023).
- SIGGRAPH Asia (2023).

References

Jia-Bin Huang (M.S. and Ph.D. advisor)

Capital One endowed Associate Professor

Department of Computer Science

University of Maryland

College Park, Maryland

✉ jbh Huang@umd.edu