PARASHAR Shaifali

Postdoctoral Researcher
CVLAB-EPFL, Switzerland
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Google Scholar link
32 years (DoB: 30/08/1988), Indian

Work Experience

Postdoctoral Researcher: CVLAB-EPFL, Switzerland   March'19 –

Postdoctoral Researcher: Université Clermont Auvergne, France   Oct'17 – Dec'18

Network Engineer: Ericsson India Pvt. Ltd., India   May'10 – July'12

Education

PhD in Computer Vision: Université Clermont Auvergne, France   Sep'14 – Aug'17
Recipient of 'Prix de Thèse UCAF 2018'

MSc in Computer Vision: Université de Bourgogne, France   Sep'12 – June'14
Recipient of 'Charpak Scholarship of Excellence 2012'

Bachelor in Information And Communication Technology: DA-IICT, India Aug'06 – May'10

Supervision Responsibilities

Jose Lamarca: PhD student at University of Zaragosa, Spain
Jan Bednarik: PhD student at CVLAB-EPFL
Yuxuan Long: MSc student at CVLAB-EPFL
Paul Gafton: MSc student at CVLAB-EPFL

Publications: Peer-reviewed Journals

DefSLAM: Tracking and Mapping of Deforming Scenes from Monocular Sequences
J. Lamarca, S. Parashar, A. Bartoli and J.M.M. Montiel
TRO: *IEEE Transactions on Robotics,* Accepted in July 2020

GarNet++: Improving Fast and Accurate Static 3D Cloth Draping by Curvature Loss
E. Gundogdu, V. Constantin, S. Parashar, A. Seifoddini, M. Dang, M. Salzmann, and P. Fua
PAMI: *IEEE Transactions on Pattern Analysis and Machine Intelligence,* July 2020

Local Deformable 3D Reconstruction with Cartan's Connections
S. Parashar, D. Pizarro and A. Bartoli
PAMI: *IEEE Transactions on Pattern Analysis and Machine Intelligence,* October 2018

Isometric Non-Rigid Shape-from-Motion Solved using Riemannian Geometry in Linear Time
S. Parashar, D. Pizarro and A. Bartoli
PAMI: *IEEE Transactions on Pattern Analysis and Machine Intelligence,* October 2017

Publications: Peer-reviewed Conferences

Local Non-Rigid Structure-From-Motion From Diffeomorphic Mappings
S. Parashar, M. Salzmann and P. Fua
CVPR: *IEEE Conference on Computer Vision and Pattern Recognition*, 2020

Shape Reconstruction by Learning Differentiable Surface Representations
J. Bednarik, S. Parashar, E. Gundogdu, M. Salzmann and P. Fua
CVPR: *IEEE Conference on Computer Vision and Pattern Recognition*, 2020

3DVFX: 3D Video Editing using Non-Rigid Structure-from-Motion **(Oral)**
S. Parashar and A. Bartoli
Eurographics (Short Papers), 2019

Self-Calibrating Isometric Non-Rigid Structure-from-Motion
S. Parashar, A. Bartoli and D. Pizarro
ECCV: *European Conference on Computer Vision*, 2018

Isometric Non-Rigid Shape-from-Motion in Linear Time **(Oral)**
S. Parashar, D. Pizarro and A. Bartoli
CVPR: *IEEE Conference on Computer Vision and Pattern Recognition*, 2016

As-Rigid-As-Possible Volumetric Shape-from-Template
S. Parashar, D. Pizarro, A. Bartoli and T. Collins
ICCV: *IEEE International Conference on Computer Vision*, 2015

Reviewing Responsibilities
Computer vision conferences (CVPR, ICCV, ECCV, ACCV, 3DV, WACV) and journals (PAMI, IJCV)
Robotics conference IROS and journal I-RAL