IARPA Video LINCS Capabilities Statement

Pinar Yanardag Delul (pinary@vt.edu)
Tenure-track Assistant Professor
Virginia Tech, Computer Science Department
1160 Torgersen Hall, Blacksburg, VA 24061; ☎ +1 540-418-5730

1 Generative Modeling Lab at Virginia Tech

The PI has an extensive track record on generative models, latent space manipulation and image/video synthesis. PI's substantial contributions have been showcased in prestigious conferences including ICCV, ECCV, CVPR, NeurIPS [7, 1, 3, 5] and recognitions including The Best Paper at NeurIPS Controllable Generative Modeling in Language and Vision Workshop [3], Honorable Mention at ACM Creativity & Cognition conference [6], and Spotlight Paper at WACV [1]. More recent efforts are focused on diffusion models on image editing [2] and video editing [4].

Bio Pinar Yanardag Delul received her PhD in Computer Science from Purdue and completed her postdoctoral research at MIT Media Lab. She is currently a tenure-track assistant professor at Virginia Tech, Department of Computer Science. Her research interests are in the area of generative models including GANs and diffusion models, and developing deep learning approaches to enable interpretability and transparency of these models. For recent publications, please visit https://gemlab-vt.github.io.

References

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