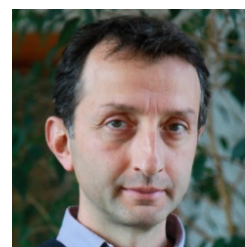


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## Education

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- 1992-1997 : **PhD**, Doctor of Philosophy in Electrical and Electronic Engineering  
Bogazici University, Istanbul, Turkey  
Option: Information and Communication  
Specialization : Object-oriented video coding and transmission (MPEG-4)
- 1989-1992 : **MS**, Master of Science in Electrical and Electronic Engineering  
Bogazici University, Istanbul, Turkey  
Option: Information and Communication  
Specialization : Signal and Image Processing
- 1985-1989 : **BS**, Bachelor of Science in Electrical and Electronic Engineering  
Middle East Technical University, Ankara, Turkey  
Option: Computer and Telecommunications
- 1982-1985 Ankara Fen Lisesi

## Language Proficiency

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- English: Fluent
- French: Fluent

## Fields of Competence

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Computer vision and graphics, 3D modeling and reconstruction, image processing, biometrics, multimodal signal processing, machine learning.

## Professional Experience

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2000 - present : Faculty Member at Koç University, Computer Engineering Department, Istanbul, Turkey.

October 1999 – June 2000: Postdoctoral Researcher at ENST (Télécom ParisTech), Signal and Image Processing Department, Paris, France. Worked for MPEG4-Web3D standardization activities in collaboration with R&D Center of France Telecom (CNET).

September 1997- October 1999: Postdoctoral Fellow at ENST (Télécom ParisTech), Signal and Image Processing Department, Paris, France.

1990-1997 : Teaching assistant in Department of Mathematics, Bogazici University.

1993-1996 : Researcher in BUSIM (*Bogazici University Signal and Image Processing*) Laboratory, Istanbul.

## International Research Collaborations

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SIMILAR, European FP6 Network of Excellence on ‘Human-machine interfaces similar to human-human communication’, 2004-2008.

3DTV, European FP6 Network of Excellence on ‘Integrated 3-D Television – Capture, Transmission and Display’, 2004-2008.

Programme of Integrated Actions (PIA), TUBITAK and French Embassy, Collaboration with ENST- Telecom Paris and Boğaziçi Un., 2004 - 2008.

CAVeNC, Cross-Modal Analysis of Verbal and Non-verbal Communication, European COST, 2007-2011.

JOKER, IUI - JOKE and Empathy of a Robot/ECA: Towards social and affective relations with a robot, European Chist-Era Project, 2013- .

REGROUND - Relational Symbol GROUNDing Through Affordance Learning, European Chist-Era Project, 2016- .

## Publications

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### Journal Papers

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- Y. Sahillioğlu and Y. Yemez, "Scale Normalization for Isometric Shape Matching", *Computer Graphics Forum, PG'12*, Vol. 31, No. 7, pp. 2233-2240, 2012.
- Y. Sahillioğlu and Y. Yemez, "Coarse-to-Fine Combinatorial Matching for Dense Isometric Shape Correspondence", *Computer Graphics Forum*, Vol. 30, No. 5, pp. 1461-1470, 2011.
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- S. Zia, B. Yüksel, D. Yüret, Y. Yemez, "RGB-D Object Recognition Using Deep Convolutional Neural Networks," *ICCV Workshop - Geometry Meets Deep Learning*, Venice, Italy, Oct. 2017.
- E. Küpçü and Y. Yemez, "Reliable Isometric Point Correspondence from Depth," *ICCV Workshop - Image-based Modeling of Articulated and Deformable Objects (IMADO)*, Venice, Italy, Oct. 2017.
- B. B. Turker, Z. Bucinca, E. Erzin, Y. Yemez and M. Sezgin, "Analysis of Engagement and User Experience with a Laughter Responsive Social Robot," in *INTERSPEECH: Annual Conference of the International Speech Communication Association*, Stockholm, Sweden, 2017.
- B. B. Turker, Z. Bucinca, E. Erzin, Y. Yemez, and M. Sezgin, "Real-time Audiovisual Laughter Detection", *IEEE Signal Processing and Communications Applications Conference (SIU)*, Antalya, Turkey, 2017.
- E. Bozkurt, E. Erzin, and Y. Yemez, "Affect-expressive hand gestures synthesis and animation," *IEEE Multimedia and Expo (ICME)*, 2015.
- L. Devillers et al., "Multimodal Data Collection of Human-Robot Humorous Interactions in the JOKER Project", *Affective Computing and Intelligent Interaction (ACII)*, Xian, China, 2015.
- B. B. Turker, S. Marzban, M. T. Sezgin, Y. Yemez, and E. Erzin, "Affect burst detection using multi-

modal cues," *IEEE Signal Processing and Communications Applications Conference (SIU)*, pp. 1006-1009, 2015.

- E. Bozkurt, H. Khaki, S. Kececi, B. B. Turker, Y. Yemez, and E. Erzin, "JESTKOD database: Dyadic interaction analysis," *IEEE Signal Processing and Communications Applications Conference (SIU)*, pp. 1374-1377, 2015.

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- B. B. Türker, S. Marzban, E. Erzin, Y. Yemez, T. M. Sezgin, "Affect Burst Recognition Using Multi-Modal Cues", *IEEE Signal Processing and Communications Applications (SIU)*, Trabzon, April 2014.

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- C. Akgül, A. Axenopoulos, B. Bustos, M. Chaouch, P. Daras, H. Dutagaci, T. Furuya, A. Godil, S. Kreft, Z. Lian, T. Napoléon, A. Mademlis, R. Ohbuchi, P. L. Rosin, B. Sankur, T. Schreck, X. Sun, M. Tezuka, Y. Yemez, A. Verroust-Blondet and M. Walter, "SHREC 2009 – Generic Shape Retrieval Contest", *Proc. of the Eurographics Workshop on 3D Object Retrieval*, Munich, Germany, March 2009.

- H. Dutağacı, B. Sankur and Y. Yemez, "Subspace-based techniques for retrieval of general 3D models", *IEEE 17th Signal Processing and Communications Applications (SIU)*, Antalya, April 2009.

- S. C. Bilir and Y. Yemez, "Time Varying Surface Reconstruction from Multiview Video," *IEEE Int. Conf. on Shape Modeling and Applications, SMI'08*, New York, USA, June 2008.

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- F. Ofli, E. Erzin, Y. Yemez, A. M. Tekalp, C. E. Erdem, A. T. Erdem, T. Abaci, M. K. Ozkan, "Unsupervised Dance Figure Analysis from Video for Dancing Avatar Animation", *IEEE Int. Conf. on Image Processing (ICIP'08)*, San Diego, California, U.S.A., October 2008.

- F. Ofli, C. Canton-Ferrer, J. Tilmanne, Y. Demir, E. Bozkurt, Y. Yemez, E. Erzin, A. M. Tekalp, "Audio-Driven Human Body Motion Analysis and Synthesis," *IEEE Int. Conf. on Acoustics, Speech, and Signal Processing (ICASSP'08)*, pp. 2233 – 2236, Las Vegas, USA, April 2008.

- Y. Demir, E. Erzin, Y. Yemez, A. M. Tekalp, "Evaluation of Audio Features for Audio-Visual Analysis of Dance Figures," *European Signal Processing Conference (EUSIPCO'08)*, Lausanne, August 2008.

- C. B. Akgül, B. Sankur, Y. Yemez, "Statistical Score Fusion for 3D Object Retrieval", *IEEE 16th Signal Processing and Communications Applications (SIU)*, Didim, April 2008.

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