Curriculum Vitae

1. Name Surname: Sara Kandulu

2. Date of Birth:

3. Title: Asst. Prof. Dr.

4. Education:

Degree	Field	University	Year
Bachelor	Electrical & Electronics Engineering	Fasa University	2005
Master	Electrical & Electronics Engineering	Eastern Mediterranean University	2007
Doctorate	Electrical & Electronics Engineering	Eastern Mediterranean University	2013
Post Graduate			

5. Academic Titles

Title	Department	University	Year/Period
Assistant Professor	Electrical & Electronics Engineering	Girne American University	2014
Associate Professor	-	-	-
Professor	-	-	-

6. Graduate Theses Supervised

6.1 Master Theses: Motion-block localized super resolution technique for low-resolution video

6.2 Doctorate Theses: Motion block based video super resolution

7. Publications

7.1. Articles published in peer reviewed international journals (SCI, SSCI Arts and Humanisties)

i. Anbarjafari, Gholamreza, Sara Izadpanahi, and Hasan Demirel. "Video resolution enhancement by using discrete and stationary wavelet transforms with illumination compensation." Signal, Image and Video Processing 9.1 (2015): 87-92.

ii. Izadpanahi, Sara, and Hasan Demirel. "Motion based video super resolution using edge directed interpolation and complex wavelet transform." Signal Processing 93.7 (2013): 2076-2086.
iii. Izadpanahi, Sara, and Hasan Demirel. "Motion block based video super resolution." Digital Signal Processing 23.5 (2013): 1451-1462.
iv. Izadpanahi Sara, ÖZÇINAR Ç, Anbarjafari G, Demirel H. Resolution enhancement of video sequences by using discrete wavelet transform and illumination compensation. Turkish Journal of Electrical Engineering & Computer Sciences. 2012 Dec 11;20 (Sup. 2):1268-76.
v. Izadpanahi Kandulu Sara, Region based selective compression for dermatological medical images. Journal of Digital Imaging.(under review)
vi. Salim zadeh Sina, Izadpanahi Kandulu Sara, Teeth Segmentation of Bitewing X-Ray Images Using Wavelet Transform. Informatica journal (under review)

7.2. Papers delivered in international conferences and printed as proceedings

i. Demirel, Hasan, Sara Izadpanahi, and Gholamreza Anbarjafari. "Improved motion-based localized super resolution technique using discrete wavelet transform for low resolution video enhancement." 2009 17th European Signal Processing Conference. IEEE, 2009.
ii. Demirel, Hasan, et al. "Video resolution enhancement by using complex wavelet transform." 2011 18th IEEE International Conference on Image Processing. IEEE, 2011.
iii. Demirel, Hasan, and Sara Izadpanahi. "Motion-based localized super resolution technique for low resolution video enhancement." 2008 16th European Signal Processing Conference. IEEE, 2008.
iv. Anbarjafari, Gholamreza, et al. "Illumination compensation by using singular value decomposition and discrete wavelet transform." 2011 IEEE 19th Signal Processing and Communications Applications Conference (SIU). IEEE, 2011.
v. Izadpanahi, Sara, and Hasan Demirel. "Multi-frame super resolution using edge directed interpolation and complex wavelet transform." IET Image Processing Conference, London, United Kingdom, Jul 2012.

7.3. Books and sections in books published internationally

i. Izadpanahi, Sara, et al. "DWT Based Resolution Enhancement of Video Sequences." *Discrete Wavelet Transforms-A Compendium of New Approaches and Recent Applications*. IntechOpen, 2013.

8. Projects/Thesis directed and participated

i. Teeth segmentation of bitewing X-Ray images using wavelet transform. (2018)
ii. Wavelet based infrared visual video fusion for motion detection. (2019)
iii. Automatic pavement road crack detection. (2019)
iv. Advanced Diagnostic ssrem for multiple skin lesion using Enhanced Deep learning

9. Administrative designations

GIRNE AMERICAN UNIVERSİTY	Vice-Dean / Head of Industrial Engineering	2020-Present
GIRNE AMERICAN UNIVERSİTY	Head of Electrical & Electronics Engineering Department	2017- 2020
GIRNE AMERICAN UNİVERSİTY	Lecturer	2013-2017
Eastern Mediterranean University	Research and Teaching Assistant	2007 – 2012

10. Membership in scholarly institutions

- ISEAIA2019 Organization Committee GAU 2019
- ISEAIA2017 Organization Committee GAU 2017
- ISEAIA2016 Organization Committee GAU 2016
- ISEAIA2015 Organization Committee GAU 2015
- ISEAIA2014 Organization Committee GAU 2014
- ISEAIA2013 Organization Committee GAU 2013

11. Awards and grants

12. Courses taught over the last two academic years

Academic Year	Semester	Name of course	Theory	Practice	Total of students
2017-2018	**Fall**	Fundamental of Electrical Engineering	**2**	**2**	**80**
		Electrical Machinary	**3**	**0**	**15**

		Electrical Measurment and Instrumentations	**2**	**2**	**25**
		Image Processing	**3**	**1**	**22**
		Graduation Project II	**2**	**2**	**8**
	Spring	Engineering mathematics	**3**	**0**	**112**
		Fundamental of Electrical Engineering	**2**	**2**	**175**
		Digital signal processing	**3**	**0**	**12**
	Summer	Signals and systems	**2**	**2**	**24**
		Image Processing	**3**	**1**	**9**
2018-2019	**Fall**	Signals and systems	**2**	**2**	**40**
		Electrical Measurment and Instrumentations	**2**	**2**	**55**
		Fundamental of Electrical Engineering	**2**	**2**	**88**
		Electrical Machinary	**3**	**0**	**34**
		Image Processing	**3**	**1**	**26**
		Graduation Project II	**2**	**2**	**9**
	Spring	Physics II	**2**	**2**	**211**
		Fundamental of Electrical Engineering	**2**	**2**	**59**
		Graduation Project II	**2**	**2**	**9**
		Image Processing	**3**	**2**	**18**
	Summer	Electrical Machinary	**3**	**0**	**7**
		Physics II	**2**	**2**	**38**
2019-2020	**Fall**	Electrical Machinary	**3**	**0**	**20**
		Physics II	**2**	**2**	**75**
		Signals & Systems	**2**	**2**	**32**
	Spring	Feedback Control Systems	**4**	**0**	**23**
		Computer Programming II	**2**	**2**	**40**
		Image Processing	**3**	**1**	**15**
		Engineering Mathematics	**3**	**0**	**30**