		Curriculum Vitae	Faezeh Rahimi		
PERSONAL INFORMATION		Faezeh Rahimi	Hobbies		
		🗎 (+49)157 5044 1726, (+98) (912) 758-7883	Yoga, Pilates, Jogging		
00	9	FaezeRahimi.kntu@gmail.com, Faezeh.Rahimi@MDC-Berlin.de	Drawing, Photography		
		1 https://ir.linkedin.com/in/faeze-rahimi-15b3b157	Podcast Listening, Reading		
		Sex Female Date of birth 17/09/1991 Nationality Iranian			
Research li	nterests				
	RF and Microwave De	vices Design. Antenna Design. and Applied Electromagnetics.			
Education					
2014 – 2017	• MSc. in Electrical El	ngineering -Telecommunications			
(5 terms)	K. N. Toosi University of Technology, Tehran, Iran				
· · · ·	Thesis title: Antenna Array Design and Fabrication and Beamforming for Hyperthermia Applications (Breast Cancer				
	Treatment)	50/20 (4/4) (ranked) Thesis Secret 10/20			
2010 -2014	B Sc in Electrical E	ngineering			
(8 terms)	Dr. Shariaty Technica	I Collage, Tehran, Iran			
	Cumulative GPA: 17.	13/20 (3.62/4) Thesis Score: 20/20			
Awards & F	lonors				
2017	 Best Paper in the 5th Iranian Conference on Engineering Electromagnetics. 				
2016	Best Paper in the 4th Iranian Conference on Engineering Electromagnetics.				
2013	Best Bachelor Projec	ete Engine guing Entrenes Evens			
2014	• Scored within the Top out of More than 300	2% of students in the fram Nation wide onlyer sities for the MSC Gradu	ale Engineering Entrance Exam		
Publications	S	5 5			
July 2020	• Faeze Rahimi, Son Hyperthermia Appli (DOI:10.1002/mop.3	nayyeh Chamaani, "Repetitive Time-reversal Method to Reduce icator for Breast Cancer Treatment", Microwave and 32518)	Input Power of a Wearable Optical Technology Letters.		
May 2017	• Faeze Rahimi, Somayyeh Chamaani, "The 4 and 7 Elements Array Antenna Design with the Time Reversal Technique for Hyperthermia Therapy of the Breast Cancer", 25th Iranian Conference on Electrical Engineering, Iran, K.N. Toosi University of Technology.				
April 2017	• Faeze Rahimi, Soma Method", The Fifth I University, Tehran, Ira	ayyeh Chamaani, "A wearable Antenna Array for Breast Hyperthermia ranian Conference on Engineering Electromagnetics (ICEEM). Sl an.	a Treatment with Time-Reversal nahid Rajaee Teacher Training		
April 2016	• Faeze Rahimi, Soma Cancer Therapy", The University of Noshahi	ayyeh Chamaani, "Using the Theory of Maximum Gain in the Antenna e Fourth Iranian Conference on Engineering Electromagnetics (ICEE 7.	a Array Design for Hyperthermia M), Iran, Imam Khomeini Naval		
Projects Re	levant to the Master	's Thesis			
2018-2019	Designing a wearable h	nyperthermia applicator by time-reversal method using microstrip pate	h antenna array loaded on-body		
2017-2018	Implementing a 4-elem	ent antenna hyperthermia applicator loaded on a chicken breast and	accomplishing the practical tests		
2015-2017	Designing and simul breast) in CST Microv	ating an 11- element microstrip patch antenna array loaded on-bo wave Studio 2015 and 2018.	dy (human breast and chicken		
	 Applying the time-rev superficial, intermedia 	ersal method to the designed antenna array in order to design a wear ate, and deep-seated tumors with lower input power and number of a	able hyperthermia applicator for intenna elements.		
	 Decreasing the numbrish most effective antenn 	er of array elements to 4 and 7 elements by applying the time-reversa as for different tumors)	al-based algorithm (selecting the		
	Milling and Devery divis				

• Wilkinson Power divider 1 to 8, 4-watt Power amplifier (using FP31QF)

Curriculum Vitae

Faezeh Rahimi

Top Projects	& Res	earch Experiences
2015-2016	•	Designing various types of antennas in CST software such as:
	0	Microstrip rectangular patch antenna in TM01 and TM10 modes, co and cross patterns, current distribution
		of radiator edge
	0	Broadband, dual-band, circular polarized, pyramidal horn, reflector, slot array
	0	Feeding techniques of microstrip antenna (coaxial and inset fed)
	0	Techniques to increase the bandwidth of rectangular microstrip patch antenna such as C-prob, meandered
		probe and L-prob, parasitic patch and U-Slot, thick substrates, and etc.
	0	Circularly polarized microstrip antenna by truncated rectangular
	0	Broadband circularly polarized microstrip antenna by truncated rectangular by C-prob compensation
	0	A wideband dual-polarized directional antenna
	0	A linear microstrip phased array antenna in 5.8 GHz with its series phase shifter network
	0	Slot Array Antenna (Resonant and non-resonant) (A 7-element resonant waveguide slot array with
		triangular current distribution, and A 15-element non-resonant waveguide slot array with triangular current
0040		distribution with a specified beam angle)
2016 2016 2016	•	Designing various types of phased array antennas in CST software and MATLAB such as:
	0	Dipole array antenna on cylinder surface based on maximum gain theory in 1 GHz
	0	Theement Dolph-Chebysnev array with 30dB SLR and specified element distances
	0	Lagior, Bayliss and Woodward patterns
	0	Designing other active microwaya sizewite such as:
	•	A power emplifier with ADS
	0	A power amplifier with ADS
	0	A voltage variable attenuator with ADS
	0	A voltage control oscillator with ADS
	0	A single diode mixer designed by 180 degrees bybrid with MATLAB and ADS
	•	Designing and simulating microwave devices with CST and HESS such as:
2010	0	Coaxial line microstrip line coplanar waveguide (CPW) coplanar waveguide with the ground (CPWG)
	0	and slot line (fine line)
	0	Stripline to microstrip transition
	0	CPW to slot line transition
	0	A multi-section Coupled-Line-Couplers with a binomial (maximally flat) response
	0	Multi-section coupled line filters with a specified ripple or maximally flat
2010-2014	•	Bachelor's course projects:
	0	Design and implementation of a transistor three stage amplifier
	0	Implementation of a robotic router
	0	Design of a Computer CPU in MAXplus software
	0	Simulation and construction of scientific calculator using AVR microcontroller in codevision and proteus
Skills		
	villo	-
Language Si		
Nov 2019	 Persia 	n (Native)

- English (TOEFL iBT score: 92/120 (Reading: 23, Listening: 25, Speaking: 24, Writing: 20))
- Arabic (Fair in Reading and Listening)

Computer Skills _

- Programming Skills: Assembly, C/C++/C#, MATLAB, HTML
- Telecommunications Engineering Software: CST, ADS, HFSS
- Electrical Engineering Software: Proteus, MAX Plus, PSpice, Codevision, BASCOM-AVR, Altium Designer
- Other Software: COMSOL Multi-physics