

**MCLEAN HOSPITAL AND HARVARD MEDICAL SCHOOL
STANDARD CURRICULUM VITAE**

Revised: 09/16/2022

1. **Name:** Mohammad S. E. Sendi, PhD
2. **Address:** 2323 Druid Oaks NE, Atlanta, GA, 30329
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3. **E-mail Address:** msendi@mclean.harvard.edu
4. **Citizenship:** Iran and Permanent resident of the United States of America
5. **Current Titles and Affiliations:**
 - T32 Postdoctoral Research Fellow at the Center for Depression, Anxiety and Stress Research, Laboratory for Affective and Translational Neuroscience, *Mentor:* Diego Pizzagalli, 2022-present.
 - T32 Postdoctoral Research Fellow at Neurogenomics & Translational Bioinformatics Laboratory (NG-TBL), *Mentor:* Dr. Nikolaos P. Daskalakis, 2022-present.
 - T32 Postdoctoral Research Fellow at Ressler Lab, *Mentor:* Kerry Ressler, 2022-present.
 - Postdoctoral Research Fellow at Department of Psychiatry, Harvard Medical School, 2022-present
 - Visiting Researcher, Tri-Institutional Center for Translational Research in Neuroimaging and Data Science (TReNDS), Georgia State University, Georgia Institute of Technology, and Emory University, *Mentor:* Vince D. Calhoun, 2022-present.
 - Affiliate member of the Broad Institute of MIT and Harvard, 2022-present.
6. **Previous Academic and Professional Appointments:**
 - Graduate Research Assistant, The Wallace H. Coulter Department of Biomedical Engineering, Georgia Tech and Emory University. Jan 2018 – 2022.
 - Graduate Research Assistant, Tri-Institutional Center for Translational Research in Neuroimaging and Data Science (TReNDS), Georgia State University, Georgia Institute of Technology, and Emory University, 2019-2022.
 - Member of Translational Neuro-Engineering Laboratory, Emory University, 2017-2022.
 - Member of Neuroinformatics & Intelligent Systems Laboratory at Emory University, 2017-2021.
 - Graduate Research Assistant, Electrical and Computer Engineering Department. Jan 2016 -Jan 2017.
 - Technical Director of Advance Integrated Circuit Design Lab (AICDL), Sharif University of Technology, Tehran, Iran, 2011-2012.
 - Instructor, Islamic Azad University, Shahre-Ray Branch, Tehran, Iran, 2012-2014.
 - Instructor, Mahestan Institute, Tehran, Iran, 2013-2015.
 - Graduate Research Assistant, Electrical Engineering Department, Sharif University of Technology, Tehran, Iran, 2009-2012.
7. **Education:**
 - 2022, **PhD**, Electrical and Computer Engineering, Georgia Institute of Technology
Advisor: Vince D Calhoun.
 - 2022, **PhD**, Biomedical Engineering, Georgia Institute of Technology and Emory University
Advisors: Vince D Calhoun, Robert E Gross.
 - 2009, **MS**, Electrical Engineering, Sharif University of Technology, Tehran, Iran.
 - 2007, **BS**, Electrical Engineering, K.N. Toosi University of Technology, Tehran, Iran.
9. **Honors and Awards:**
 - International Society for Neurofeedback & Research Best Poster Award, 2022.
 - FNNR Gerald Gluck Award, 2022.

Mohammad S. E. Sendi, PhD

- ECE Graduate Research Assistant Excellence Awards, 2022.
- J. Norman and Rosalyn Wells Fellowship, 2022.
- Alzheimer's Association International Conference Travel Fellowship, 2021.
- International Conference on Intelligent Biology and Medicine travel Fellowship, 2021.
- Bio-Medical Sponsored FNNR Mini-Grant Award, 2021.
- International Society for Magnetic Resonance Merit Award: magna cum laude.2021.
- Educational Stipend Award, International Society for Magnetic Resonance in Medicine, 2021.
- 3MT presentation finalist, Georgia Institute of Technology, 2021.
- 3MT presentation finalist (rank #3), International Symposium on Biomedical Imaging, 2021.
- Global Young Scientists Summit (GYSS) Award, 2021.
- Bobby Jones Biomedical Engineering Award, Emory Laney Graduate School, 2019.
- Student Government Association Travel Award, Georgia Institute of Technology, 2019.
- College of Engineering Travel Award, Georgia Institute of Technology, 2019.
- BMED Travel Award, Georgia Institute of Technology, 2019.
- Professional Development Support Award, Emory Laney Graduate School, 2019.
- Student Member of Society for Neuroscience, 2018.
- Student member of IEEE, since 2011.
- Fellowship of National Elite Organization of Iran, since 2012.
- Ranked 71st in nationwide B.Sc. Universities Entrance Examination among more than 400000, 2004.
- Ranked 52nd in nationwide M.Sc. Universities Entrance Examination among more than 30000, 2009.

9. Membership:

- Co-Founder of The Artificial Intelligence for Medicine and Healthcare Society (AIMS) at Georgia Tech, Atlanta, GA.
- Student Member of IEEE.
- Student Member of IEEE EMBS.
- Student Member of Society for Neuroscience.
- Student Member of International Society for Magnetic Resonance in Medicine.

10. Reviewer for journals:

- Schizophrenia Research
- Nature Scientific Data
- Drug and Alcohol Dependence
- Brain Connectivity
- Journal of Neural Engineering
- Physiological Measurement
- Nature Scientific Report
- IEEE Journal of Biomedical and Health Informatics
- Psychiatry Research: Neuroimaging
- Journal of Neuroscience Research
- IEEE Transaction on Biomedical Circuit and System (TBioCAS)
- IEEE Transaction on Circuit and System II (TCASII).

11. Selected Presentation

- The link between brain functional network connectivity and genetic risk of Alzheimer's disease. **Alzheimer's Association International Conference**, 2021, (Lecture).
- Brain age acceleration as biomarker of Alzheimer's disease progression: Functional network connectivity analysis. **Alzheimer's Association International Conference**, 2021, (Poster).
- Brain state instability as a biomarker of Alzheimer's disease progression: a dynamic functional network connectivity study. **Alzheimer's Association International Conference**, 2021, (Poster).
- An active learning framework for personalized deep brain. **ReACT, Sharif University of Technology**, 2020.
- The link between brain dynamic functional connectivity and genetic factors of lower risk for Alzheimer's disease. **AAIC Neuroscience Next**, 2020, (Poster).

- Neurophysiological biomarkers of amygdala stimulation on medial temporal lobe networks supporting declarative memory in humans. **American Epilepsy Society Annual Meeting**, New Orleans, LA, 2018. (Poster)
- Neurophysiological biomarkers of the acute effect of subcallosal cingulate stimulation in treatment resistant depression. **Society for Neuroscience**, San Diego, CA 2018, (Poster)
- Wireless Direct Current Stimulation for Research on Traumatic Brain Injuries, **Georgia Electronic Design Center annual meeting**, Atlanta, GA, 201, (Poster).
- Evaluating the Effects of Direct Current Stimulation on Neural Networks in Vitro, **Suddath Symposium**, Atlanta, GA, 2017 (Poster).
- Evaluating the Effects of Direct Current Stimulation on Neural Networks in Vitro, **Regenerative Engineering Medicine Annual Workshop**, Athens, GA 2017. (Poster).
- Evaluating the Therapeutic Potential of Direct Current Stimulation for Traumatic Brain Injuries, **Symposium on Regenerative Rehabilitation at Emory University**, Atlanta, GA, 2016. (Poster).
- A 3-D Inductive Powering Approach Dedicated to Implantable/Wearable Biomedical Microsystems microsystem, **IEEE Biomedical Circuits and Systems (BioCAS)**, Lausanne, 2014. (Poster).
- CMOS Compatible Structure for Low-Voltage Multiple-Valued Logic Circuits, **IEEE International Conference on Electronics, Circuits and Systems (ICECS)**, Beirut, 2011. (Lecture).
- A Non-Binary Analog to Digital Converter for Neural Recording Implantable Microsystem, **M.Sc Thesis, Sharif University of Technology**, Tehran, Iran, 2011. (Lecture).
- The sensitivity & dynamic range Improvement of TiO₂ thick film humidity sensor with Sol-Gel impregnation, **B.Sc Thesis, K.N.Toosi University of Technology**, Tehran, Iran, 2008. (Lecture)

12. Supervisory Teaching:

a. Graduate students:

- Vaibhavi Itkyl, Emory University, 2022-present
- Hossein Dini, PhD, Aalborg University, Denmark, 2018-present.
- Elaheh Zendehtrouh, MS, Computer Science, Georgia State University, 2019-present
- Ji Ye Chun, MS, Electrical and Computer Engineering, Georgia Institute of Technology, 2020-2021.
- Varsha Sankar, MS, Electrical and Computer Engineering, Georgia Institute of Technology, 2016-2017.

b. Undergraduate students:

- Emma West, Emory University School of Medicine, 2022-present
- Ji Ye Chun, BS, Electrical and Computer Engineering, Georgia Institute of Technology, 2019-2020.
- Daniel Fulford, BS, Electrical and Computer Engineering, Georgia Institute of Technology, 2016-2017.
- James Fulford, BS, Electrical and Computer Engineering, Georgia Institute of Technology, 2016-2017.
- Benjamin Lloyd, BS, Electrical and Computer Engineering, Georgia Institute of Technology, 2016-2017.
- Jea Du Kim, BS, Electrical and Computer Engineering, Georgia Institute of Technology, 2016-2017.

13. Selected Teaching

- **Teaching Assistance** in Biomed Sys & Modeling, Georgia Institute of Technology, Fall 2019
- **Co-Lecturer**, ECE 3400, Georgia Institute of Technology, Summer 2016
- **Lecturer** in Electronics I & II, Nassir Institute, Tehran, 2012-2015
- **Lecturer** in Electronics I & II, Mahestan Institute, Tehran, 2013-2015
- **Lecturer** in Electronics III, Islamic Azad University, Shahre-rey Baranch, Tehran, 2012-2014
- **Teaching Assistance** in Electronic Principle, Sharif University of Technology, Tehran, Spring 2011.
- **Teaching Assistance** in Electronic Principle, Sharif University of Technology, Tehran, Spring 2011.
- **Teaching Assistance** in Analog Electronic Lab, Sharif University of Technology, Tehran, Spring 2011.
- **Teaching Assistance** in Electronic III, K.N.Toosi University of Technology, Tehran, Spring 2009.

- **Teaching Assistance** in Electronic II, K.N.Toosi University of Technology, Tehran, Spring 2009.

14. Grant Support

- Private Foundation Funded

Biomedical sponsored FNNR **Mohammad Sendi** 12/01/2021 - 12/01/2022
 The Foundation for Neurofeedback and Neuromodulation Research (Mini-grant)
Modeling the effect of TMS on EEG signal in PTSD patients
 Recording EEG signal prior to, during, and after a two-weeks transcranial magnetic stimulation (TMS) treatment on patients with PTSD to understand when the brain switches during the treatment.
 Role: Principal Investigator
 Mentors: Sanne van Rooij and Jeffrey G. Malins

15. Bibliography:

- Research Articles in Refereed Journals: *H-index*: 9.

1. **Mohammad SE Sendi**, David H Salat, Robyn L Miller, Vince D Calhoun, "Two-step clustering-based pipeline for big dynamic functional network connectivity data," *Frontiers in Neuroscience*, 2022.
2. Zening Fu, Christopher Abbott, Jeremy Miller, Zhi-De Deng, Shawn Mcclintock, **Mohammad Sendi**, Jing Sui, Vince Calhoun, "Cerebro-cerebellar Functional Neuroplasticity Mediates the Effect of Electric Field on Electroconvulsive Therapy Outcomes," 2022, **(under review)**.
3. Hossein Dini, Luis E. Bruni, Thomas Z. Ramsøy, Vince D. Calhoun, **Mohammad S. E. Sendi**, "Overlap cross psychotic disorders: A functional network connectivity analysis", 2022, **(under review)**.
4. **Mohammad SE Sendi***, Allison C Waters*, Vineet Tiruvadi, Patricio Riva-Posse, Andrea Crowell, Faical Isbaine, John T Gale, Ki Sueng Choi, Robert E Gross, Helen S Mayberg, Babak Mahmoudi "Neurophysiological biomarkers of the acute effect of subcallosal cingulate stimulation in treatment resistant depression," *Translational Psychiatry*, 2021 (*First author contribution).
5. **Mohammad S. E. Sendi**, Cory S. Inman, Kelly R. Bijanki, Robert E. Gross, Jon T. Willie, and Babak Mahmoudi, "Neurophysiological biomarkers of amygdala stimulation on medial temporal lobe networks supporting declarative memory in humans." *Brian Stimulation*, 2021.
6. **Mohammad S. E. Sendi**, Charles Ellis, Robyn L. Miller, David H. Salat, Vince D Calhoun, "The relationship between dynamic functional network connectivity and spatial orientation healthy young adults," *Brain and Cognition*, 2021, **(under review)**.
7. Charles A. Ellis, **Mohammad S.E. Sendi**, Eloy P.T. Geenjaar, Sergey M. Plis, Robyn L. Miller, Vince D. Calhoun, "Algorithm-Agnostic Explainability for Unsupervised Clustering," *Journal of Machine Learning Research*, 2021, **(under review)**.
8. **Mohammad SE Sendi**, Elaheh Zendeherouh, Charles A Ellis, Jiayu Chen, Robyn L Miller, Elizabeth C Mormino, David H Salat, Vince Calhoun, "The link between static and dynamic brain functional network connectivity and genetic risk of Alzheimer's disease," *Neuroimage: Clinical*, 2021, **(under review)**.
9. Zening Fu, Jing Sui, Randall Espinoza, Katherine Narr, Shile Qi, **Mohammad SE Sendi**, Christopher C Abbot, Vince D Calhoun, "Whole-brain Functional Connectivity Dynamics associated with Electroconvulsive Therapy Treatment Response," *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 2021.
10. Hossein Dini, **Mohammad SE Sendi**, Jing Sui, Zening Fu, Shile Qi, Patricio Riva-Posse, Christopher Abbott, Helen Mayberg, Vince Calhoun, "Dynamic Functional Connectivity Predicts Treatment Response to Electroconvulsive Therapy in Major Depressive Disorder," *Frontiers in Human Neuroscience*, 2021, **(First author contribution)**.
11. **Mohammad S. E. Sendi**, Elaheh Zendeherouh, Zening Fu, Jingyu Liu, Yuhui Du, Elizabeth Mormino, David H. Salat, Vince D. Calhoun, Robyn. L. Miller, "Disrupted dynamic functional network connectivity among cognitive control networks in the progression of Alzheimer's disease," *Brain Connectivity*, 2021.
12. **Mohammad S. E. Sendi**, Elaheh Zendeherouh, Charles A. Ellis, Zhijia Liang, Zening Fu, Daniel H. Mathalon, Judith M. Ford, Adrian Preda, Theo G. M. van Erp, Robyn. L Miller, Godfrey D. Pearlson, Jessica A. Turner, Vince D. Calhoun, "Aberrant Dynamic Functional Connectivity of Default Mode Network in Schizophrenia and Links to Symptom Severity," *Frontier in Neural Circuits*, 2021.

13. **Mohammad S. E. Sendi**, E. Zendeihrouh, J. Sui, Z. Fu, D. Zhi, L. LV, X. Ma, Q. Ke, Z. Li, C. Wang, C. C. Abbott, T. A. Turner, R. L. Miller, V. D. Calhoun, "Aberrant dynamic functional network connectivity of default mode network predicts symptom severity in major depressive disorder," **Brain Connectivity**, 2021.
14. **Mohammad S. E. Sendi**, Godfrey D. Pearlson, Daniel H. Mathalon, Judith M. Ford, Adrian Preda, Theo G. M. van Erp, Vince D. Calhoun, "Multiple overlapping dynamic patterns of the visual sensory network in schizophrenia," **Schizophrenia Research**, Vo1. 228, Pages 103-111, Feb 2021.
15. Hossein Dini, Farnaz Ghassemi, **Mohammad. S. E. Sendi**, "Altered Functional connectivity and small world metrics in children with Attention-Deficit/Hyperactivity Disorder," **Brain Topography**, 33, pages733–750, 2020.
16. **Mohammad S. E. Sendi**, Elaheh Zendeihrouh, Zening Fu, Yuhui Du, Jingyu Liu, Robyn L. Miller, Elizabeth Mormino, David H. Salat, Vince D. Calhoun, "Alzheimer's Disease projection from normal to mild dementia reflected in functional network connectivity: A longitudinal study," **Frontier in Neural Circuits**, Dec 2020.
17. C. S. Latchoumane, L.Jackson , **Mohamamd. S. E. Sendi** , K.Tehrani , L. Mortensen , M.Ghovanloo , S. Stice, L. Karumbaiah, "Chronic Electrical Stimulation Promotes the Excitability and Plasticity of ESC-derived Neurons following Glutamate-induced Inhibition In vitro", **Nature Scientific Reports**, 2018.
18. B.Lee , M. K. Koripalli , Y.Jia , J.Acosta , **Mohammad. S. E. Sendi** , Y. Choi, M. Ghovanloo,"An Implantable Peripheral Nerve Recording and Stimulation System for Experiments on Freely Moving Animal Subjects", **Nature Scientific Reports**, 2018.
19. **Mohammad. S. E. Sendi**, S. Kananian, M. Sharifkhani, A.M. Sodagar, "Temperature Compensation in CMOS Peaking Current References," **IEEE Transactions on Circuits and Systems II: Express Briefs**, 2018.
20. A.Khaleghi, **Mohammad.S.E Sendi**, I.Balasingham, C.Santiago "Exposure of Human Brain to an Electromagnetic Plane Wave in the 100-1000 MHz Frequency Range for Potential Treatment of Neurodegenerative Diseases," **IET Microwave, Antennas & Propagation**, 20 Nov, 2012, p 1565-1572.

b. Conference papers

1. **Mohammad SE Sendi**, Hossein Dini, Luis Emilio Bruni, Vince D Calhoun, "Default mode network dynamic functional network connectivity predicts psychotic symptom severity," **IEEE Engineering in Medicine and Biology Society (EMBC)**, 2022.
2. **Mohammad SE Sendi**, David H Salat, Robyn L Miller, Vince D Calhoun, "Two-step clustering-based pipeline for big dynamic functional network connectivity data," **IEEE Engineering in Medicine and Biology Society (EMBC)**, 2022.
3. Charles A Ellis, Mohammad SE Sendi, Robyn L Miller, Vince D Calhoun, "An Unsupervised Feature Learning Approach for Elucidating Hidden Dynamics in rs-fMRI Functional Network Connectivity," **IEEE Engineering in Medicine and Biology Society (EMBC)**, 2022.
4. **Mohammad. S. E. Sendi**, Elaheh Zendeihrouh, Jessica A. Turner, Vince D Calhoun, "Dynamic patterns within the default mode network in schizophrenia subgroups," **IEEE Engineering in Medicine and Biology Society (EMBC)**, 2021.
5. **Mohammad S.E. Sendi**, David H Salat, and Vince D Calhoun, "Brain age gap difference between healthy and mild dementia subjects: Functional network connectivity analysis" **IEEE Engineering in Medicine and Biology Society (EMBC)**, 2021.
6. Charles A. Ellis, **Mohammad S. E. Sendi**, Robyn Miller, Vince Calhoun, "A Novel Activation Maximization-based Approach for Insight into Electrophysiology Classifiers," **IEEE International Conference on Bioinformatics and Biomedicine (BIBM)**, 2021.
7. Charles A. Ellis, **Mohammad. S. E. Sendi**, Jon. T. Willie, Babak Mahmoudi, "Hierarchical Classification with Layer-wise Relevance Propagation for Identifying Multiclass Neural State Biomarkers," **10th International IEEE EMBS Conference On Neural Engineering**. 2021.
8. **Mohammad. S. E. Sendi**, Ji Ye Chun, V. D. Calhoun, "Visualizing functional network connectivity difference between middle adult and older subjects using an explainable machine-learning method," **20th IEEE International Conference on Bioinformatics and BioEngineering**, 2020.
9. **Mohammad. S. E. Sendi**, Elaheh Zendeihrouh, Zening Fu, Babak Mahmoudi, Robyn. L. Miller, Vince. D. Calhoun, "A Machine Learning Model for Exploring Aberrant Functional Network Connectivity Transition in Schizophrenia," **Southwest Symposium on Image Analysis and Interpretation**, 2020.

10. E. Zendeirouh, **Mohammad. S. E. Sendi**, J. Sui, Z. Fu, D. Zhi, L. LV, X. Ma, Q. Ke, Z. Li, C. Wang, C. C. Abbott, T. A. Turner, R. L. Miller, V. D. Calhoun, "Aberrant dynamic functional network connectivity of default mode network predicts symptom severity in major depressive disorder," *IEEE Engineering in Medicine and Biology Society (EMBC)*, 2020.
11. J. Y. Chun, **Mohammad. S. E. Sendi**, J. Sui, D. Zhi, V. D. Calhoun, "Visualizing Functional Network Connectivity Difference between Healthy Control and Major Depressive Disorder Using an Explainable Machine-learning Method," *IEEE Engineering in Medicine and Biology Society (EMBC)*, 2020.
12. **Mohammad S. E. Sendi**, Vasiliki Kanta, Cory S. Inman, Joseph R. Manns, Stephan Hamann, Robert E. Gross, Jon T. Willie, Babak Mahmoudi, "Amygdala Stimulation Leads to Functional Network Connectivity State Transitions in the Hippocampus," *IEEE Engineering in Medicine and Biology Society (EMBC)*, 2020.
13. Charles. A. Ellis, Ping Gu, **Mohammad. S. E. Sendi**, Daniel Huddleston, Ashish Sharma, and Babak Mahmoudi, "A Cloud-based Framework for Implementing Portable Machine Learning Pipelines for Neural Data Analysis," *IEEE Engineering in Medicine and Biology Society (EMBC)*, 2019.
14. Ajinkya Munge, Varsha Sankar, **Mohammad S.E. Sendi**, Maysam Ghovanloo, Ulkuhan Guler, "A Bio-Impedance Measurement IC for Neural Interface Applications," *IEEE Biomedical Circuits and Systems Conference (BioCAS)*, 2018.
15. **Mohammad. S. E. Sendi**, M. Heydarzadeh, B. Mahmoudi, "A Spark-based analytic pipeline for seizure detection in EEG big data streams," *IEEE Engineering in Medicine and Biology Society (EMBC)*, 2018.
16. **Mohammad. S. E. Sendi**, S.Kananian, E.Zendeirouh, M.Sharifkhani, A.M. Sodagar, M. Shabany, "A low-power temperature-compensated CMOS peaking current reference in subthreshold region," *IEEE International Symposium on Circuits and Systems (ISCAS)*, 2017.
17. U. Guler, **Mohammad. S. E. Sendi**, M. Ghovanloo, "A dual-mode passive rectifier for wide-range input power flow," *IEEE 60th International Midwest Symposium on Circuits and Systems (MWSCAS)*, 2017.
18. **Mohammad. S. E. Sendi**, M. Judy, M. Sharifkhani & A.M.Sodagar, "Wireless Interfacing to Cortical Neural Recording Implants Using 4-FSK Modulation Scheme", *International IEEE Conference on Electronic Circuit and System, ICECS*, 2015.
19. Hasan Molaei, Ata Khorami, **Mohammad. S. E. Sendi**, Khosro Hajsadeghi, "Four Bit Low Power 165MS/S Flash-SAR ADC for Sigma-Delta ADC Applications," *International IEEE Conference on Electronic Circuit and System, ICECS*, 2015.
20. A. Khorrami, **Mohammad. S. E. Sendi**, A. Nikofard, M. Sharifkhani, "Zero-Power Mismatch-Independent Digital to Analog Converter," *IEEE NEWCAS*, 2015.
21. **Mohammad. S. E. Sendi**, M. Sharifkhani & A.M.Sodagar, "Low-Power CMOS Voltage-Mode Quaternary Latched Comparator", *Iranian Conference of Electrical Engineering (ICEE)*, 2015.
22. **Mohammad. S. E. Sendi**, M. Sharifkhani & A.M.Sodagar, "General Structure for Base-m Capacitive Digital to Analog Converters", *Iranian Conference of Electrical Engineering (ICEE)*, 2015.
23. **Mohammad. S. E. Sendi**, S.Nasiri, N.Mousavi, M. Sharifkhani & A.M.Sodagar, "A 3-D Inductive Powering Approach Dedicated to Implantable/Wearable Biomedical Microsystems microsystem," *10th IEEE Biomedical Circuit and System Conference, BioCAS*, 2014.
24. **Mohammad. S. E. Sendi**, M. Sharifkhani & A.M.Sodagar, "CMOS Compatible Structure for Low-Voltage Multiple-Valued Logic Circuits," *18th International IEEE Conference on Electronic Circuit and System, ICECS*, 2011.
25. **Mohammad. S. E. Sendi** & I. Rezanejad Gatabi, "Improved Low Voltage All Cascode Current Source Using the DC Level Shifter," *50th IEEE Midwest Symposium on Circuits & Systems, MWSCAS*, Montreal, Canada, 2007.

c. Abstracts

1. **Mohammad. S. E. Sendi**, Charles. A. Ellis, Robyn L Miller, David H Salat, Vince D. Calhoun, "Whole Brain Dynamic Functional Network Connectivity Features Are Linked to Spatial Orientation in Healthy Young Adults," *Annual Society of Biological Psychiatry*, 2022.
2. **Mohammad. S. E. Sendi**, Hossein Dini, Vince D. Calhoun, "Dynamic Functional Network Connectivity Features Overlap across Psychotic Disorders," *Annual Society of Biological Psychiatry*, 2022.
3. **Mohammad S. E. Sendi**, Hossein Dini, Elaheh Zendeirouh, David H Salat, Vince D Calhoun, "Prediction of sleep quality scores using dynamic functional network connectivity of young adults: A reproducibility analysis," *Alzheimer's Association International Conference*, 2022.

4. **Mohammad S. E. Sendi**, Elaheh Zendeirouh, Robin L Miller, David H Salat, Vince D Calhoun, "Resting-state dynamic functional network connectivity predicts cognition in 37784 participant of UK Biobank," *Alzheimer's Association International Conference*, 2022.
5. **Mohammad S.E. Sendi**, Elaheh Zendeirouh, Robyn L Miller, Elizabeth C. Mormino, David H Salat, and Vince D Calhoun, "The link between brain functional network connectivity and genetic risk of Alzheimer's disease," *Alzheimer's Association International Conference*, 2021.
6. **Mohammad S.E. Sendi**, David H Salat, and Vince D Calhoun, "Brain age acceleration as biomarker of Alzheimer's disease progression: Functional network connectivity analysis," *Alzheimer's Association International Conference*, 2021.
7. **Mohammad S.E. Sendi**, Elaheh Zendeirouh, Robyn L Miller, Elizabeth C. Mormino, David H Salat, and Vince D Calhoun, "Brain state instability as a biomarker of Alzheimer's disease progression: a dynamic functional network connectivity study," *Alzheimer's Association International Conference*, 2021.
8. **Mohammad. S. E. Sendi**, Hossein. Dini, Jing Sui, Zening Fu, Shile Qi, Patricio Riva-Posse, Christopher Abbott, Helen S. Mayberg, Vince D. Calhoun, "Dynamic Functional Connectivity Predicts Treatment Response to Electroconvulsive Therapy in Major Depressive Disorder," *Annual Society of Biological Psychiatry*, 2021.
9. **Mohammad. S. E. Sendi**, Elaheh Zendeirouh, Charles. A. Ellis, Jessica A. Turner, Vince D. Calhoun, "Dynamic Functional Connectivity of Default Mode Network in Schizophrenia and Links to Symptom Severity," *Annual Society of Biological Psychiatry*, 2021.
10. **Mohammad. S. E. Sendi**, Elaheh Zendeirouh, Jessica A. Turner, "Brain Development From Childhood to Adolescence Alters Cerebello-Cortical Dynamic Functional Connectivity *Annual Society of Biological Psychiatry*, 2021.
21. **Mohammad S.E. Sendi**, Elaheh Zendeirouh, Jiayu Chen, Elizabeth C Mormino, David H Salat, Vince D Calhoun, "The link between brain dynamic functional connectivity and genetic factors of lower risk for Alzheimer's disease," *Alzheimer's & dementia: the journal of the Alzheimer's Association*, 16(S12):pages 1-2, Dec 2020.
11. S. Alagpan, V. Tiruvadi, **Mohammad. S. E. Sendi**, A. C. Waters, A. Veerakumar, M. Obatusin, A. Crowell, P. R. Posse, R. J. Butera, H. S. Mayber, C. Rozell, "Electrophysiological features of subcallosal cingulate cortex in patients with treatment-resistant depression," 2019 *Neuroscience Meeting Planner*. Chicago, IL: Society for Neuroscience, 2019. Online.
12. **Mohammad S. E. Sendi**, Vineet Tiruvadi, Allison C Waters, Helen Mayberg, Babak Mahmoudi, "Neurophysiological biomarkers of the acute effect of subcallosal cingulate stimulation in treatment resistant depression," Program No. 231.17. 2018 *Neuroscience Meeting Planner*. San Diego, CA: Society for Neuroscience, 2018. Online.
13. **Mohammad S. E. Sendi**, Cory S. Inman, Joseph R. Manns, Kelly R. Bijanki, Robert E. Gross, Jon T. Willie, and Babak Mahmoudi, "Neurophysiological biomarkers of amygdala stimulation on medial temporal lobe networks supporting declarative memory in humans," *American epilepsy society meeting*, 2018.