

CURRICULUM VITAE

University of Florida

PERSONAL INFORMATION

Name: Aprinda Indahlastari, PhD
Citizenship: Indonesia
Immigrant status: Permanent Residency/Green Card holder (EB-2)

RANK/TITLE: Assistant Professor

Departments: Clinical and Health Psychology (Primary)
Institute: McKnight Brain Institute
College: Public Health and Health Professions
Address: University of Florida
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EDUCATION

<u>Institution</u>	<u>Major/Focus</u>	<u>Degree/Position</u>	<u>Years</u>
University of Florida, Gainesville, FL	Cognitive Neuroscience	Post-Doctoral Fellow	2017-2021
Arizona State University, Tempe, AZ	Biomedical Engineering	Doctor of Philosophy	2014-2017
Arizona State University, Tempe, AZ	Biomedical Engineering	Master of Science	2011-2013
University of California San Diego, San Diego, CA	Biomedical Engineering	Bachelor of Science	2008-2011
Grossmont Community College, El Cajon, CA	Mathematics	Associate of Science	2005-2008

RESEARCH INTERESTS & METHODS

Cognitive aging, neuromodulation, computational neuroscience, neuroimaging, artificial intelligence

RESEARCH METHODS

Finite element method, structural magnetic resonance imaging, computational neuroscience, human electrophysiology, non-invasive brain stimulation, neuromodulation, artificial intelligence, machine learning

RESEARCH SYNOPSES

My long-term research goal is to develop personalized aging interventions using cutting-edge technology such as multi-modal neuroimaging, artificial intelligence methods, and individualized computational models. For the past decade, I have been involved in computational neuroscience based research, specifically using finite element method (FEM), imaging, and image processing tools to predict effects of biomedical devices. In my early graduate study while pursuing master's degree, I performed FEM to investigate the fluid dynamics properties of embolic coils used to treat brain aneurysms. As a predoctoral student, I continued to use FEM and apply it to a different medical device which is a type of a noninvasive brain stimulation called transcranial electrical current stimulation (tES).

I gained initial exposure of neuromodulation research while building, testing and validating tES computational models against in-vivo current density images in humans acquired using MREIT. During my postdoctoral training, I expanded my computational expertise to develop a novel method to compute the accuracy and consistency of electrode location as quality control metrics in tES clinical studies. I also performed the largest tES computational modeling study to date that investigates age related effects, such as brain atrophy and white matter hyperintensities, on delivered tES current dose in 587 unique older adult brains. White matter hyperintensities are highly prevalent in older adults over the age of 60. My initial research findings are crucial in constructing a robust platform to use computational models as means of predicting non-invasive brain stimulation treatment effects in aging population. Further use of these computational models by pairing it with artificial intelligence methods such as machine learning algorithms will enable us to better predict treatment outcomes and formulate precision dosing that is tailored to each person. These tailored treatments may optimize gains resulted from non-invasive brain stimulation methods such as non-invasive neuromodulation in aging population.

ONGOING RESEARCH SUPPORT

Internal Funding, University of Florida, PPHP 09/01/21-05/13/24

NIA R01AG054077 (Woods/Cohen/Marsiske; MPIs) 09/01/16-04/31/22

National Institutes of Health

\$5,778,764

Augmenting Cognitive Training in Older Adults (ACT)

This study is a Phase III definitive multi-site randomized clinical trial with an adaptive design that will establish the benefit of delivering adjunctive transcranial direct current stimulation (tDCS) with cognitive training in older adults to combat cognitive aging. This trial measures both trial success and intervention mechanisms using multimodal neuroimaging and magnetic resonance spectroscopy, as well as comprehensive neurocognitive and functional assessment.

Role: Post-Doc

NIA RF1AG071469 (Woods/Fang; MPIs) 06/01/21-05/30/25

National Institutes of Health

\$2,925,577

Study Title: Mechanisms, response heterogeneity and dosing from MRI-derived electric field models in tDCS augmented cognitive training: a secondary data analysis of the ACT study

The goal of this study is to leverage state of the art MRI-derived computational modeling of person-specific electric fields generated from tDCS with artificial intelligence/machine learning methods to determine the characteristics of electric current in the brain associated with treatment response to cognitive training and tDCS from the Phase III ACT clinical trial. These methods will be used to generate precision dosing methods for future clinical trials.

Role: Co-I

NIA R01AG081477 (Clark; PI) 05/01/23-04/30/27

National Institutes of Health

\$4,981,967

Study Title: Cognitively engaging walking exercise and neuromodulation to enhance brain function in older adults

The goal of this study is to establish initial efficacy, investigate mechanisms of intervention response, and to develop a multi-site research infrastructure. The study will enroll 104 older adult participants who have age-related cognitive decline. All participants will undergo the same 18-session high intensity aerobic walking program, which will emphasize the use of complex walking tasks that engage prefrontal cortex, such as obstacle negotiation and walking on compliant surfaces

Role: Co-I

PATENTS & COPYRIGHTS

July 27, 2023

Indahlastari A/ CV

Patent application. System and method for precision dosing for electrical stimulation of the brain. U.S. Application No. 63/057,447

Copyright application. Case No. 1-8902131281. tDCSLAB software.

ACADEMIC AWARDS & HONORS

- 2021 The 4th International Brain Stimulation Best Poster Award
- 2020 The Evelyn F. and William L. McKnight Brain Institute (MBI) Rising Stars
- 2019 The Evelyn F. and William L. McKnight Brain Institute Travel Award, University of Florida
- 2018 Young Investigator Award, the NYC Neuromodulation Conference and NANS Summer Series
- 2018 First McKnight Brain Institute Trainee Enhancement Opportunity Award, University of Florida
- 2017 Graduate Education Travel Award, Arizona State University
- 2017 Magna Cum Laude Merit Award, International Society for Magnetic Resonance in Medicine (ISMRM)
- 2017 Merit Award Stipend for Biomedical Engineering PhD, School of Biological and Health Systems Engineering (SBHSE) at Arizona State University
- 2017 Trainee (Educational) Stipend Award, International Society for Magnetic Resonance in Medicine (ISMRM)
- 2016 Graduate Education Travel Award, Arizona State University
- 2016 Individual Travel Grant, Graduate and Professional Student Association (GPSA) at Arizona State University
- 2016 Serving University Needs (SUN) Award, Arizona State University
- 2015 Block Funding Award, School of Biological and Health Systems Engineering (SBHSE) at Arizona State University
- 2014 Student Stipend Award, World Molecular Imaging Congress (WMIC)
- 2013 Travel Grant, American Physical Society (APS) Division of Fluid Dynamics

PROFESSIONAL SOCIETIES

Biomedical Engineering Society
International Society of Magnetic Resonance in Medicine

PROFESSIONAL SERVICE

UF Graduation Marshal (2022 – current)
PHEP UF Research Day Moderator (Spring 2023)
PHEP AI Working Group Co-Chair (2022 – current)
ENIGMA Neuromodulation Working Group Co-Chair (2022 – current)
CHP AI Working Group Co-Chair (2023 – current)

EDITORIAL BOARD

Frontiers in Aging Neuroscience (Review Editor)

AD HOC REVIEWER

Neuromodulation
Brain Sciences
Brain Stimulation
NeuroImage
Neuromodulation: Technology at the Neural Interface

Engineering

IEEE Access
Journal of Neural Engineering

Cognitive and Clinical Neuroscience

Neurotherapeutics
Scientific Reports

Aging

Experimental Gerontology
Frontiers in Aging Neuroscience
Journal of Alzheimer's Disease

OTHER SKILLS AND QUALIFICATIONS

High-definition MRI-derived computational modeling of tDCS current density
Structural Magnetic Resonance Imaging
Transcranial Direct Current Stimulation (tDCS) techniques
Statistical techniques, basic statistical modeling using SPSS Programming

PUBLICATIONS

Peer-reviewed papers (25 papers, 11 first author, 7 second author, Avg. journal impact: 5.4, 643 citations, h-index: 14, i10 index: 17)

Indahlastari, A., Dunn, A., Pedersen, S., Kraft, J., Someya, S., Albizu, A., & Woods, A.J. (2023). The Importance of Accurately Representing Electrode Position in Transcranial Direct Current Stimulation Computational Models. *Brain stimulation*.

Albizu, A., **Indahlastari, A.**, Huang, Z., Waner, J., Stolte, S. E., Fang, R., & Woods, A. J. (2023). Machine-learning Defined Precision tDCS for Improving Cognitive Function. *Brain stimulation*.

Stolte, S. E., Volle, K., **Indahlastari, A.**, Albizu, A., Woods, A. J., Brink, K., Hale, M., & Fang, R. (2023). DOMINO: Domain-aware loss for deep learning calibration. *Software Impacts*, 100478.

Stolte, S., Volle, K., **Indahlastari, A.**, Albizu, A., Woods, A., Brink, K., Hale, M., Fang, R. (2022). DOMINO: Domain-Aware Model Calibration in Medical Image Segmentation. *International Conference on Medical Image Computing and Computer-Assisted Intervention*, 454-463. Springer, Charm

Indahlastari, A., Albizu, A., Kraft, J. N., O'Shea, A., Nissim, N. R., Dunn, A.L., Carballo, D., Gordon, M.P., Taank, S., Kahn, A.T., Hernandez, C., Zucker, W.M., & Woods, A.J. (2021). Individualized tDCS Modeling Predicts Functional Connectivity Changes within the Working Memory Network in Older Adults. *Brain stimulation*, 14(5), 1205-1215.

Alvarez-Alvarado, S., Boutzoukas, E. M., Kraft, J. N., O'Shea, A., **Indahlastari, A.**, Albizu, A., ... & Woods, A. J. (2021). Impact of Transcranial Direct Current Stimulation and Cognitive Training on Frontal Lobe Neurotransmitter Concentrations. *Frontiers in Aging Neuroscience*, 711.

Indahlastari, A., Hardcastle, C., Albizu, A., Alvarez-Alvarado, S., Boutzoukas, E.M., Evangelista, N.D., Hausman, H.K., Kraft, J., Langer, K., & Woods, A.J. (2021). A Systematic Review and

Meta-Analysis of Transcranial Direct Current Stimulation to Remediate Age-Related Cognitive Decline in Healthy Older Adults. *Neuropsychiatric Disease and Treatment*, 17, 971-990.

- Indahlastari, A.**, Albizu, A., Boutzoukas, E. M., O'Shea, A., & Woods, A. J. (2021). White matter hyperintensities affect transcranial electrical stimulation in the aging brain. *Brain Stimulation*, 14(1), 69-73.
- Caulfield, K. A., **Indahlastari, A.**, Nissim, N. R., Lopez, J. W., Fleischmann, H. H., Woods, A. J., & George, M. S. (2020). Electric Field Strength From Prefrontal Transcranial Direct Current Stimulation Determines Degree of Working Memory Response: A Potential Application of Reverse-Calculation Modeling?. *Neuromodulation: Technology at the Neural Interface*.
- Albizu, A., Fang, R., **Indahlastari, A.**, O'Shea, A., Stolte, S. E., See, K. B., Boutzoukas, E. M., Kraft, J. N., Nissim, N. R., & Woods, A. J. (2020). Machine learning and individual variability in electric field characteristics predict tDCS treatment response. *Brain stimulation*, 13(6), 1753-1764.
- Indahlastari, A.**, Albizu, A., O'Shea, A., Forbes, M. A., Nissim, N. R., Kraft, J. N., Evangelista, N.D., Hausman, H.K., Woods, A.J., & Alzheimer's Disease Neuroimaging Initiative. (2020). Modeling transcranial electrical stimulation in the aging brain. *Brain stimulation*, 13(3), 664-674.
- Nissim, N. R., O'Shea, A., **Indahlastari, A.**, Kraft, J. N., Von Mering, O., Aksu, S., Porges, E., Cohen, R., & Woods, A. J. (2019). Effects of transcranial direct current stimulation paired with cognitive training on functional connectivity of the working memory network in older adults. *Frontiers in aging neuroscience*, 11, 340.
- Nissim, N. R., O'Shea, A., **Indahlastari, A.**, Telles, R., Richards, L., Porges, E., Cohen, R., & Woods, A. J. (2019). Effects of in-scanner bilateral frontal tDCS on functional connectivity of the working memory network in older adults. *Frontiers in aging neuroscience*, 11, 51.
- Indahlastari, A.**, Albizu, A., Nissim, N. R., Traeger, K. R., O'Shea, A., & Woods, A. J. (2019). Methods to monitor accurate and consistent electrode placements in conventional transcranial electrical stimulation. *Brain stimulation*, 12(2), 267-274.
- Indahlastari, A.**, Chauhan, M., & Sadleir, R. J. (2019). Benchmarking transcranial electrical stimulation finite element models: a comparison study. *Journal of neural engineering*, 16(2), 026019.
- Indahlastari, A.**, Kasinadhuni, A. K., Saar, C., Castellano, K., Mousa, B., Chauhan, M., Mareci, T. H., & Sadleir, R. J. (2018). Methods to compare predicted and observed phosphene experience in TACS subjects. *Neural plasticity*, 2018.
- Gomes-Osman, J., **Indahlastari, A.**, Fried, P. J., Cabral, D. L., Rice, J., Nissim, N. R., Aksu, S., McLaren M.E., & Woods, A. J. (2018). Non-invasive brain stimulation: probing intracortical circuits and improving cognition in the aging brain. *Frontiers in aging neuroscience*, 10, 177.
- Song, Y., Seo, Y. K., Chauhan, M., **Indahlastari, A.**, Kumar, N. A., & Sadleir, R. J. (2018). Accelerating acquisition strategies for low-frequency conductivity imaging using MREIT. *Physics in Medicine and Biology*.
- Chauhan, M., **Indahlastari, A.**, Kasinadhuni, A. K., Schär, M., Mareci, T. H., & Sadleir, R. J. (2017). Low-Frequency Conductivity Tensor Imaging of the Human Head in-vivo using DT-MREIT. *IEEE Transactions on Medical Imaging*.

- Kasinadhuni, A. K., **Indahlastari, A.**, Chauhan, M., Schär, M., Mareci, T. H., & Sadleir, R. J. (2017). Imaging of current flow in the human head during transcranial electrical therapy. *Brain Stimulation, 10*(4), 764-772.
- Indahlastari, A.**, Chauhan, M., Schwartz, B., & Sadleir, R. J. (2016). Changing head model extent affects finite element predictions of transcranial direct current stimulation distributions. *Journal of neural engineering, 13*(6), 066006.
- Nair, P., Chong, B. W., **Indahlastari, A.**, Ryan, J., Workman, C., Babiker, M. H., & Frakes, D. (2016). Hemodynamic characterization of geometric cerebral aneurysm templates treated with embolic coils. *Journal of biomechanical engineering, 138*(2), 021011.
- Indahlastari, A.**, Chauhan, M., & Sadleir, R. J. (2016, August). Projected current density comparison in tDCS block and smooth FE modeling. In *2016 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*. IEEE.
- Nair, P., Chong, B. W., **Indahlastari, A.**, Lindsay, J., DeJeu, D., Parthasarathy, V., & Frakes, D. (2015). Hemodynamic characterization of geometric cerebral aneurysm templates. *Journal of biomechanics*.
- Indahlastari, A.**, & Sadleir, R. J. (2015, August). A comparison between block and smooth modeling in finite element simulations of tDCS. In *2015 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*. IEEE.

BOOK CHAPTERS

Book Chapters (4 chapters, 3 first author, 1 second author)

- Indahlastari, A.**, Woods, A.J. Brain atrophy. *Encyclopedia of Gerontology and Population Aging*. Springer New York, in press.
- Indahlastari, A.**, Woods, A.J. Neurotransmitters. *Encyclopedia of Gerontology and Population Aging*. Springer New York, in press.
- Indahlastari, A.**, Woods, A.J. Positivity effect. *Encyclopedia of Gerontology and Population Aging*. Springer New York, in press.
- Albizu, A., **Indahlastari, A.**, Woods, A.J. Non-invasive brain stimulation. *Encyclopedia of Gerontology and Population Aging*. Springer New York, in press.

DISSERTATION & THESIS

- Indahlastari, A.** (2017). *Validation of Transcranial Electrical Stimulation Finite Element Modeling Against MREIT Current Density Imaging in Human Subjects* (Arizona State University). Doctorate Dissertation. Defended 08/13/2017, Accepted 12/2017
- Indahlastari, A.** (2013). *The Influence of Dome Size, Parent Vessel Angle, and Coil Packing Density on Coil Embolization Treatment in Cerebral Aneurysms* (Arizona State University). Master's Thesis. Defended 07/16/2013, Accepted 08/2013

SYMPOSIA & CONFERENCE TALKS

Oral Presentation

- Indahlastari, A** (2023, May). Machine learning and Precision Neuromodulation at *NVAITC – UF Symposium*.
- Indahlastari, A** (2023, April). Combining AI Methods and MRI-Derived Models for Precision Neuromodulation. *AI4Health: Improving Health through Artificial Intelligence*.
- Indahlastari, A**, Salehinejad, M, Soleimani, G., and Schmidt, N (2023, February). Variability in transcranial electrical stimulation results: The role of circadian factors, aging, anatomical difference, and stimulation parameters. On-demand Symposium at *The 5th International Brain Stimulation Conference*.
- Indahlastari, A** (2022, November). Predicting functional connectivity changes in response to in-scanner tES using person-specific models. Invited speaker for the Dose-Response in Non-Invasive Brain Stimulation session at *The 7th International Network of Neuroimaging Neuromodulation (INNN)*.
- Indahlastari, A** (2022, October). Emerging Trends in Healthcare: AI Session Lead at *The University of Florida Healthcare Conference 2022*.
- Indahlastari, A** (2022, July). High fidelity tDCS finite element models to predict changes in functional connectivity of the working memory networks in older adults. Oral Highlights at *The 2022 Neuroergonomics with NYC Neuromodulation Conference*.
- Indahlastari, A** (2022, July). High fidelity tDCS finite element models to predict changes in functional connectivity of the working memory networks in older adults. Oral Highlights at *The 2022 Neuroergonomics with NYC Neuromodulation Conference*.
- Indahlastari A** (2022, June). Modeling transcranial electrical stimulation in the aging brain. Invited speaker in *Neuroscience Seminar Summer Series 2022 at University of Florida*.
- Indahlastari A** (2022, May). Combining AI methods and MRI-derived models to personalize neuromodulation therapeutics in older adults. Invited speaker in *AI and Cognitive Aging Symposium at the Center for Cognitive Aging and Memory (CAM) Research Day 2022*.
- Indahlastari A** (2022, April). Combining AI methods and MRI-derived models to personalize neuromodulation therapeutics in older adults. Invited speaker in *AI Forum at the College of Medicine Research Day 2022*.
- Indahlastari A** (2021, November). Modeling Transcranial Direct Current Stimulation in the Aging Brain. Invited speaker in *the Data Intelligence Symposium (DAISY) 2021: Tackling Bias in Data Science: from Prediction to Intervention*.
- Indahlastari A** (2021, October). Individualized tDCS modeling predicts functional connectivity changes within the working memory network in older adults. Invited speaker in *the Inauguration of Brain Stimulation Journal Club Series*.
- Indahlastari A** (2021, September). Transcranial Direct Current Stimulation (tDCS) Computational Modeling. *the 3rd Annual Cognitive and Emotion Neuroscience (CEN) Seminar Series*.
- Indahlastari A** (2020, August). Symposium: Neuromodulation of Cognition in Aging and Dementia. Panelist in *the American Psychological Association (APA) 2020 Virtual Conference*.

Indahlastari A (2020, April). Modeling tDCS Electric Field in the Aging Brain. Session speaker in *the NYC Neuromodulation 2020 Online Conference*.

Indahlastari A (2020, February). Individualized tDCS modeling in a healthy older adult cohort. Session speaker in *the International Neuropsychological Society (INS) 2020*.

Indahlastari A (2019, August). Transcranial Direct Current Stimulation (tDCS) Computational Modeling. *the Inauguration of Cognitive and Emotion Neuroscience (CEN) Seminar Series*.

Sajib, S. Z. K., Chauhan, M., **Indahlastari, A.**, Kasinadhuni, A. K., Kumam, M., Mareci, T. H., Sadleir, R. J. (2018, May). Comparison of in-vivo DT-MREIT scaling factor images for in- and off- plane current administration of transcranial AC stimulation. Oral presentation in *the 19th International Conference on Biomedical Applications of Electrical Impedance Tomography (EIT)*.

Chauhan, M., **Indahlastari, A.**, Kasinadhuni, A. K., Saar, C., Mousa, B., Castellano K., Mareci, T. H., Sadleir, R. J. (2017, October). Conductivity tensor reconstruction using DT-MREIT *in-vivo* imaging in a human TACS recipient. Oral presentation in *the 2017 Annual Meeting of Biomedical Engineering Society (BMES)*.

Indahlastari, A., Saar, C., Kasinadhuni, A. K., Castellano K., Weigel, C., Mousa, B., Chauhan, M., Mareci, T. H., Sadleir, R. J. (2017, June). *In-vivo* Projected current density reconstruction: comparisons between MREIT and FE models. Oral presentation in *the 18th International Conference on Biomedical Applications of Electrical Impedance Tomography (EIT)*.

Saar, C., **Indahlastari, A.**, Chauhan, M., Sadleir, R. J. (2017, June). Magnetic flux density comparisons between MREIT and FE models. Oral presentation in *the 18th International Conference on Biomedical Applications of Electrical Impedance Tomography (EIT)*.

Indahlastari, A., Chauhan, M., Sadleir, R. J. (2016, June). Synthetic Bz calculation in MRI based realistic head model. Oral presentation in *the 17th International Conference on Biomedical Applications of Electrical Impedance Tomography (EIT)*.

Kumar, A., Chauhan, M., **Indahlastari, A.**, Schär, M., Anderson, C., Carney, C., Mareci, T., Sadleir, R. J. (2016, May). Mapping magnetic fields due to electrical stimulation in the human brain: First Measurements. Oral presentation in *the ISMRM 24th Annual Meeting*.

Indahlastari, A., & Sadleir, R. J. (2015, October). A complete segmentation pipeline for anisotropic tDCS finite element modeling. Oral presentation in *the 2015 Annual Meeting of Biomedical Engineering Society (BMES)*.

Indahlastari, A., & Sadleir, R. J. (2015, June). A comprehensive segmentation pipeline for tDCS Simulations. Oral presentation in *the 16th International Conference on Biomedical Applications of Electrical Impedance Tomography (EIT)*.

Poster Presentation

Indahlastari, A., Salehinejad, M. A., Soleimani, G., and Schmidt, N. (2023, February). Variability in transcranial electrical stimulation results: The role of circadian factors, aging, anatomical difference, and stimulation parameters. Online Symposia with virtual talk and In-person poster session at *The 5th International Brain stimulation Conference*.

Indahlastari, A., Albizu, A., Kraft, J. N., O'Shea, A., Nissim, N. R., Dunn, A.L., Carballo, D., Gordon, M.P., Taank, S., Kahn, A.T., Hernandez, C., Zucker, W.M., & Woods, A.J. (2022, July). High fidelity tDCS finite element models to predict changes in functional connectivity of the working memory networks in older adults. *The 2022 Neuroergonomics with NYC Neuromodulation Conference*.

Indahlastari, A., Albizu, A., Kraft, J. N., O'Shea, A., Nissim, N. R., Dunn, A.L., Carballo, D., Gordon, M.P., Taank, S., Kahn, A.T., Hernandez, C., Zucker, W.M., & Woods, A.J. (2021, December). High fidelity finite element models to predict changes in functional connectivity of the working memory networks in older adults. *The 4th International Brain stimulation Conference*.

Albizu, A., Fang, R., **Indahlastari, A.**, O'Shea, A., Stolte, S.E., See, K.B., Boutzoukas, E.M., Kraft, J.N., Nissim, N.R., Woods, A.J. (2021, February). Individualized Machine-Learning Derived Transcranial Electrical Stimulation Optimization for Working Memory Improvement in Older Adults. Poster presentation in *the 49th Annual Meeting of the International Neuropsychological Society (INS)*.

Indahlastari, A., Albizu, A., Nissim, N. R., Traeger, K., O'Shea, A., Woods, A. J. (2018, August). Methods to Determine Accuracy in tDCS Electrode Placements. Poster presentation in *the 2018 NYC Neuromodulation Conference & NANS Summer Series*.

Chauhan, M., **Indahlastari, A.**, Kasinadhuni, A. K., Saar, C., Weigel, C., Mousa, B., Castellano K., Mareci, T. H., Sadleir, R. J. (2018, June). In vivo Current Density and Conductivity Tensor Imaging of Human Brain During TACS using Dt-MREIT. Poster presentation in *the 26th Annual Meeting of International Society for Magnetic Resonance in Medicine (ISMRM)*.

Mousa, B., **Indahlastari, A.**, Boggess, M., Tapia, J., Saar, C., Castellano K., Kasinadhuni, A. K., Chauhan, M., Mareci, T. H., Sadleir, R. J. (2017, October). Inter-subject Variability in Healthy TES Recipients: A Computational Study. Poster presentation in *the 2017 Annual Meeting of Biomedical Engineering Society (BMES)*.

Indahlastari, A., Saar, C., Mousa, B., Castellano K., Chauhan, M., Kasinadhuni, A. K., Mareci, T. H., Sadleir, R. J. (2017, April). Magnetic flux density comparisons between TACS in-vivo human MREIT measurements and MRI-derived human computational models. Poster presentation in *the 25th Annual Meeting of International Society for Magnetic Resonance in Medicine (ISMRM)*.

Kasinadhuni, A. K., **Indahlastari, A.**, Castellano K., Saar, C., Weigel, C., Mousa, B., Schär, M., Chauhan, M., Mareci, T. H., Sadleir, R. J. (2017, April). Current Density Measurements in the Brain using Magnetic Resonance Electrical Impedance Tomography in Healthy Volunteers. Electronic poster presentation in *the International Society for Magnetic Resonance in Medicine (ISMRM) 25th Annual Meeting*.

Kumar, A., **Indahlastari, A.**, Chauhan, M., Schar, M., Anderson, C., Carney, C., Mareci, T., Sadleir, R. J. (2017, January). Comparisons between *in-vivo* current density images and computational models in human TACS recipients. Poster presentation in *the NYC Neuromodulation 2017*.

Indahlastari, A., Kasinadhuni, A., Chauhan, M., Castellano, K., Cavin, M., Srinivasan, G., Pendharkar, A., Saar, C., Weigel, C., Mousa, B., & Sadleir, R. J. (2016, October). Finite element modeling predicts electrophosphene phenomena in TDCS/TACS recipients. Poster presentation in *the 2016 Annual Meeting of Biomedical Engineering Society (BMES)*.

- Indahlastari, A.**, Chauhan, M., & Sadleir, R. J. (2016, August). Projected Current Density Comparison in tDCS Block and Smooth FE modeling. Poster presentation in *the 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*.
- Indahlastari, A.**, & Sadleir, R. J. (2015, August). A comparison between block and smooth modeling in finite element simulations of tDCS. Poster presentation in *the 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*.
- Indahlastari, A.**, & Sadleir, R. J. (2014, September). TDCS in a realistic head extension model derived from a human MRI data set. Poster presentation in *the WMIC Annual Congress*.
- Indahlastari, A.**, & Sadleir, R. J. (2014, June). Head extension models for TDCS simulation derived from a human MRI data set. Poster presentation in *the 2014 Neural Interfaces Conference (NIC)*.
- Frakes, D. H., **Indahlastari, A.**, Ryan, J., Babiker, M. H., Nair, P., & Parthas, V. (2013, November). The influence of dome Size, parent vessel angle, and coil packing density on coil embolization treatment in cerebral aneurysms. Poster presentation in *APS Division of Fluid Dynamics Meeting*.

TEACHING EXPERIENCE

<u>Position</u>	<u>Course</u>	<u>Institution/Organization</u>	<u>Year</u>
Guest Lecturer	PSB4343C: Laboratory in Cognitive Neuroscience	University of Florida	2023 Annually
Instructor	PHC3793: Higher Thinking for Healthy Humans, AI in Healthcare and Public Health	University of Florida	2022 Annually
Guest Lecturer	PSB6119C: Clinical and Cognitive Neuroscience Methods and Theory	University of Florida	2020-2021
Co-Instructor	PROACT tDCS workshop	University of Florida	2019
Teaching Practicum	BME598: Finite Element Modeling for Biomedical Application	Arizona State University	2016

CURRENT AND FORMER AFFILIATIONS

<u>Institution</u>	<u>Department</u>	<u>Position</u>	<u>Years</u>
University of Florida	Clinical and Health Psychology	Assistant Professor	2023 -
University of Florida	Clinical and Health Psychology	Research Assistant Professor	2021-2023

July 27, 2023

Indahlastari A/ CV

University of Florida	Clinical and Health Psychology	Post-Doctoral Fellow	2017-2021
Arizona State University	School of Biological and Health Systems Engineering	PhD Graduate Student	2014-2017
Arizona State University	School of Biological and Health Systems Engineering	MS Graduate Student	2011-2013
University of California, San Diego	Physics	Undergraduate Research Assistant	2010-2011
University of California, San Diego	Bioengineering	Undergraduate Research Assistant	2010-2011