Gleb V. Tcheslavski

Phillip M. Drayer Department of Electrical Engineering, Lamar University
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Summary:

PhD in Electrical Engineering; Research interests in Computer Engineering (DSP, DIP); Teaching experience in Electrical and Computer Engineering; Service/Leadership as EE Interim Chair since Fall 2019 including enrollment/recruitment, personnel, and budget management, curriculum modernization, developing new programs (2+2, 4+1, courses, certificates), forming and managing multidisciplinary teams; experience with ABET and SACS accreditations.

Education:

PhD EE Virginia Tech, 2001-2005.
Advisor: Prof. A. A. (Louis) Beex.
Major: Electrical Engineering.
Area: Digital Signal Processing.
Dissertation title: "Coherence and Phase Synchrony Analysis of Electro-encephalogram (EEG)."

MS EE (equivalent) Bauman Moscow State Technical University (BMSTU), 1996-1997.
Advisor: Prof. Boris A. Rozanov.
Major: Electrical/Electronics Engineering.
Area: Radar applications.
Thesis title: "Development and Simulation of Millimeter Band Radar with Long Sounding Signals".

BS EE (equivalent) Bauman Moscow State Technical University (BMSTU), 1990-1996.
Advisor: Prof. Alexey A. Senin.
Major: Electrical/Electronics Engineering.
Area: Networking Hardware Development.
Thesis title: "Development and Implementation of a Wireless Computer Network Link".

Professional experience:

09/2019 – 2022: Phillip M. Drayer Department of Electrical Engineering,
Lamar University, Beaumont, TX.
Interim Department Chair
Represent and advocate for all departmental faculty, staff, students, and programs; manage departmental personnel, budget, and resources; oversee program reviews; evaluate faculty and staff; oversee course schedule building process, lead departmental recruiting and retention efforts; develop new academic programs; assist in building/strengthening industry partnership; and provide leadership in the university, state, and region, thus promoting excellence in Electrical Engineering at the undergraduate and graduate levels.

09/2014 – present: Phillip M. Drayer Department of Electrical Engineering,
Lamar University, Beaumont, TX.
Associate Professor
Develop and teach Electrical Engineering courses, including curriculum development, preparing course objectives, syllabi, video lectures, and other materials; assigning quizzes, homework, and

projects; administering testes to evaluate student progress; issuing reports to inform progress of student performance; maintaining attendance records and discipline in classroom; assisting students during office hours and practical trainings; participating in faculty and professional meetings, educational conferences, and teacher training workshops. Advise graduate students during their thesis work. Develop and maintain an externally funded collaborative research program in the area of expertise. Serve the Department, College, and University in various Committees.

09/2008 – 05/2014: Phillip M. Drayer Department of Electrical Engineering,
Lamar University, Beaumont, TX.

Assistant Professor

Teach three Electrical Engineering courses per academic semester, which includes curriculum development, preparing course objectives and syllabi; assigning lessons, homework, and projects; administering testes to evaluate student progress; issuing reports to inform progress of student performance; maintaining attendance records and discipline in classroom; advising students during office hours and practical trainings; participating in faculty and professional meetings, educational conferences, and teacher training workshops. Advise graduate students during their thesis work. Develop and maintain an externally funded strong research program in the area of expertise.

08/2007 – 08/2008: Phillip M. Drayer Department of Electrical Engineering,
Lamar University, Beaumont, TX.

Visiting Assistant Professor

Have taught two Electrical Engineering courses during the Fall 2007 semester: ELEN 3371 – "Electromagnetics" and ELEN 4304/5346 – "Digital Signal Processing"; three Electrical Engineering courses during the Spring 2008 semester: ELEN 3381 – "Electrical analysis", ELEN 3441 – "Fundamentals of Power-engineering", and ELEN 4304/5365 "Digital Image Processing", one laboratory ELEN 3441 – "Fundamentals of Power-engineering"; one Electrical Engineering course during the Summer II semester: ELEN 5301 – "Advanced DSP and modeling". Duties included: instructing students in Electrical Engineering department; preparing course objectives and syllabi; assigning lessons, homework, and projects; administering testes to evaluate student progress; issuing reports to inform progress of student performance; maintaining attendance records and discipline in classroom; advising students during office hours and practical trainings; participating in faculty and professional meetings, educational conferences, and teacher training workshops. Develop and maintain an externally funded strong research program in the area of expertise.

02/2006 – 07/2007: the Department of Electrical and Computer Engineering,
University of Houston, Houston, TX.

Postdoctoral Fellow

Designed and supervised production of hardware for a neuro-imaging system, conducted neuro-imaging experiments on laboratory animals. Optical imaging of intrinsic signals is a new, emerging area of neurological research linking neuro activities and perceptual phenomena (vision, hearing, tactile sense) with changes in blood volume and oxygenation in brain and, therefore, with changes in optical properties of cortical areas. This method allows functional brain mapping as well as detection and localization of various brain abnormalities, such as tumors and seizure foci.

08/2002 – 12/2005: DSP Research Laboratory, The Bradley Department of Electrical & Computer Engineering, Virginia Tech, Blacksburg, VA.

Graduate Student

Conducted research aimed to develop DSP tools (Matlab) to discriminate between individuals with and without Attentional Disorders based on their Electroencephalogram. Studies of electrical brain

activity became powerful clinical and research tools since discovery of EEG phenomena more than a century ago. Modern signal processing technique attempts to automatically detect various neurological disorders by the EEG analysis. The developed methods may help to uncover yet unknown physiological bases of Attentional disorders.

05/2002 – 08/2002: The Department of Forestry, Virginia Tech, Blacksburg, VA.
Research Assistant
Developed a software module (Python) for processing of air photos of urban forests for environmental research. Environmental monitoring is an important part of our everyday life. Airborne photos provide means to estimate biomass of forests and, therefore, evaluate oxygen production of specific areas.

01/2001 – 05/2002: Electromagnetic Interactions Research Laboratory, The Bradley Department of Electrical & Computer Engineering, Virginia Tech, Blacksburg, VA.
Graduate Research Assistant
Developed a computer-based model (Matlab, Fortran) of electromagnetic wave scattering from a random rough surface.

02/1998 – 12/1999: State Reserve Committee, Moscow, Russia.
Head of the Information Division
Developed a corporative information security system, was responsible for antivirus protection of the corporative network and individual computers, information security and antivirus users education.

09/1995 – 12/1999: The Department of Radio-Electronics, Bauman Moscow State Technical University, Moscow, Russia.
Graduate Research Assistant
Developed and implemented a digital portion of a wireless computer network link utilizing satellite TV receivers (PCAD, PSPICE). Developed an algorithms (Pascal) for a millimeter-band radar with long sounding signals.

09/1995 – 06/1996: Electronic Research Laboratory, the Department of Radio-Electronics, Bauman Moscow State Technical University, Moscow, Russia.
Lab Technician
Developed and maintained various low-frequency hardware for laboratory needs.

Additional Teaching Experience:

08/2002 – 12/2005: The Department of Physics, Virginia Tech
Graduate Teaching Assistant
PHYS 2215 and PHYS 2216 - General Physics Laboratory (approx. 80 college students), fall 2002, spring 2003, spring 2004, fall 2004, spring 2005, fall 2005.
PHYS 2306 - General Physics (recitations), fall 2003.

09/1997 – 12/1999: The Department of Radio-Electronics, Bauman Moscow State Technical University, Moscow, Russia.
Teaching Assistant
Radio-Electronic Laboratory for college students.

Courses taught/developed while at LU:

ELEN 1100 – Intro to Electrical Engineering

ELEN 3313 – Signals & Systems
ELEN 3371 – Electromagnetics
ELEN 3381 – Electrical Analysis
ELEN 3431 – Digital Logic Design
ELEN 3441 – Fundamentals of Power Engineering
ELEN 4486 – Microcomputers I
ELEN 4304/5346 – Digital Signal Processing
ELEN 4304/5365 – Digital Image Processing
ELEN 4336/5336 – Instrumentation Systems and Automation
ELEN 5301 – Stochastic Signals and Systems
ELEN 5301 – Advanced DSP and Modeling
ELEN 5301 – Trends in Modern Power Systems

Leadership Roles:

Interim Department Chair, LU EE
Chair, EE P&T Committee
Chair, EE Faculty Search Committee
Chair, LU Student-Faculty Relations Committee
Chair, COE Student-Faculty Relations Committee
Chair, Beaumont Section of IEEE
PI in multiple NSF/NIH grant proposals

Honors and Awards:

Dr. Anita Riddle Excellence in Engineering Teaching Fellowship, 2018 - 2021
Delta Beta Chapter of Eta Kappa Nu - Electrical Engineering honor society, 2009
Chair of the Beaumont section of IEEE, 2009
International travel fund grant from Graduate Student Association, Virginia Tech, 2005
Sigma Xi – The Scientific Research Society, 2001
The President's Graduate Scholarship, Russia, 1996-1997

Professional Memberships:

Member of IEEE
Member of IEEE Signal Processing Society

Research Interests:

Digital Signal, Image, and Video Processing, Biomedical Signal and Image Processing, Brain-Computer Interface applications, Speech Processing and Synthesis, Radar Applications, Development and implementation of DSP Algorithms

Current External Funding:

1. NSF-IUSE(ESL) #2048328 ($294,097) S. Sayil, **G. Tcheslavski** (Co-PI), J. Yoo, "Promoting engaged and active learning through collaborative online lab experiences". 2021-2023

Professional Publications:

1. **Tcheslavski, G.V.**, Yoo, J., & Sayil, S.S. (2024) Implementing Collaborative Online Lab Experiences to Facilitate Active Learning. ASEE, Proceedings of 2024 Annual Conference & Exposition, Portland, OR, June 23-26, 2024.
2. Sayil, S., **Tcheslavski, G.,** Yoo, J., & Wang, Y. (2023). Online Electrical Engineering Labs with Collaborative Open-Ended Assignments. IEEE Frontiers in Education Conference (FIE), 2023, College Station, TX.
3. J. Yoo, S. Sayil, **G. Tcheslavski**, "Board 208: Achieving Active Learning through Collaborative Online Lab Experiences". Poster presentation. ASEE, 2023 Annual Conference & Exposition, Baltimore, MD, June 25-28, 2023.
4. **G.V. Tcheslavski**, S. Sayil, J. Yoo, 2022, "Promoting Engaged and Active Learning in Electrical Eng. thru Collaborative Online Lab Experiences", 2022 IUSE National Summit, June 1-3, 2022, Washington, DC.
5. S. Sayil, J. Yoo and **G. Tcheslavski**, "Creating Engaged and Active Learning Through Collaborative Online Lab Experiences," 2022 IEEE Frontiers in Education Conference (FIE), Uppsala, Sweden, 2022, pp. 1-5, doi: 10.1109/FIE56618.2022.9962493.
6. **Tcheslavski GV**, Vasefi M. "An "Instantaneous" Response of a Human Visual System to Hue: An EEG-Based Study". Sensors. 2022; 22(21): 8484. https://doi.org/10.3390/s22218484.
7. **G.V. Tcheslavski**, 2019, "Towards an Automated Detection of Alcohol Dependence Using EEG Spectral Power Estimates", International Journal of Bioautomation, 23(4), 391-402.
8. S. Sultana, **G.V. Tcheslavski**, 2019, "Spatial Vector-based Approach to the ERP Analysis as Applied to an EEG-based Discrimination of Traffic Light Signals," Neuroregulation, 6(4), 170-180.
9. D.Q. Ngo, G. Oliver, **G. Tcheslavski**, C.-T. Tan, 2019, "Neural Entrainment to Speech Envelope in response to Perceived Sound Quality", 9th International IEEE EMBS Conference on Neural Engineering San Francisco, CA, USA, March 20-23, 2019, 920-923.
10. A.E. Igberaese, **G.V. Tcheslavski**, 2018, "EEG power spectrum as a biomarker of autism: a pilot study," International Journal of Electronic Healthcare, 10(4), 275-286.
11. Md. R.U. Hoque, **G.V. Tcheslavski**, 2018, "Can electroencephalography improve road safety? An EEG-based study of driver's perception of traffic light signals in a virtual environment", International Journal of Vehicle Safety, 10(1), 78-86.
12. **G.V. Tcheslavski**, M. Vasefi, F.F. Gonen, 2018, "Response of a human visual system to continuous color variation: An EEG-based approach", Biomedical Signal Processing and Control, 43, 130-137.
13. H. Shrivastava, **G.V. Tcheslavski**, 2018, "On the potential of EEG for biometrics: combining power spectral density with a statistical test", International Journal of Biometrics, 10(1), 52-64.
14. K.A. Islam, **G. Tcheslavski**, 2017, "On Use of Independent Component Analysis for Ocular Artifacts Reduction of Electroencephalogram and while Using Kurtosis as the Threshold", International Journal of Bioautomation, 21(3), 251-260.
15. Md. Reshad Ul Hoque, **G.V. Tcheslavski**, 2016, "EEG-based study of driver's cognitive response to virtual traffic environment via parametric spectral analysis of event related potentials", Joint Spring 2016 Meeting of the Texas Sections of APS, AAPT, and Zone 13 of SPS - March 31 - April 2, 2016.
16. K.A. Islam, **G.V. Tcheslavski**, 2015, "Independent Component Analysis for EOG artifacts minimization of EEG signals using kurtosis as a threshold", Proceedings of Electrical Information and Communication Technology (EICT), 2015 2nd International Conference on, IEEE, Khulna, Bangladesh, 10-12 December 2015, 137-142.

17. S.R. Yeddula, **G.V. Tcheslavski**, 2015, “Design and analysis of low cost electro-dermal response system using Texas Instrument’s MSP430 Value Line Launchpad”, International Journal of Bioautomation, 19(1), 79-94.
18. S. Krishnamurti, **G.V. Tcheslavski**, 2014, “Effects of Hearing Aid Amplification on Phase Coherence of Cortical Auditory Event-Related Potentials: A New Window Into Neural Information Processing in the Central Auditory Nervous System” in “Horizons in Neuroscience Research”, Volume 13, Andres Costa (Editor), Eugenio Villalba (Editor), ISBN: 978-1-62948-426-6.
19. L. Porter, **G.V. Tcheslavski**, 2013, “Using Photoplethysmography for blood pressure estimation with telemedicine application”, International Journal of Engineering Research and Technology 2(11), 2202-2205.
20. R. Guntaka, **G.V. Tcheslavski**, 2013, “On the EEG-based automated detection of alcohol dependence”, International Journal of Bioautomation, 17(3), 167-176.
21. F.F. Gonnen, **G.V. Tcheslavski**, 2012, “Techniques to assess Stationarity and Gaussianity of EEG: an overview”, International Journal of Bioautomation, 16(2), 135-142.
22. **G.V. Tcheslavski**, F.F. Gonnen, 2012, “Alcoholism-related alterations in spectrum, coherence, and phase synchrony of topical electroencephalogram”, Computers in Biology and Medicine, 42, 394-401.
23. J. Prigmore, **G. Tcheslavski**, C. Bahrim, 2010, “An IGCT-Based Electronic Circuit Breaker Design for a 12.47kV Distribution System”, IEEE PES General Meeting, July 2010.
24. **G.V. Tcheslavski**, A.A. (Louis) Beex, 2010, “Effects of smoking, schizotypy, and eyes open/closed conditions on the γ_1 rhythm phase synchrony of the electroencephalogram”, Biomedical Signal Processing and Control, 5, 164-173.
25. **G.V. Tcheslavski**, 2008, “Effects of tobacco smoking and schizotypal personality on spectral contents of spontaneous EEG, International Journal of Psychophysiology, 70, 88-93.
26. V.A. Kalatsky, E.M. O'Connor, **G.V. Tcheslavski**, 2006, “Concurrent multidimensional imaging of visual space representations in mouse visual cortex by Fourier optical imaging of intrinsic signals”, 2006 Neuroscience Meeting, Atlanta, GA: Society for Neuroscience, 2006.
27. **G.V. Tcheslavski**, A.A. (Louis) Beex, 2006, “Phase synchrony and coherence analyses of EEG as tools to discriminate between children with and without attention deficit disorders”, Biomedical Signal Processing and Control, 1, 2006, 151-161.
28. **G.V. Tcheslavski**, A.A. (Louis) Beex, 2005, “Properties and parameter selection for phase synchrony processing of EEG signals,” Proceedings of the Second IASTED International Multi-Conference Signal and Image Processing (ACIT-SIP), June 20-24, 2005, Novosibirsk, Russia, 164-169.
29. B.A. Rozanov, **G.V. Tcheslavski**, 1999, "Two-step Algorithm of Detection and Estimation In Radar Station With Long Sounding Signals,” BMSTU Herald, series "Design of Devices", #4. (In Russian).
30. **G.V. Tcheslavski**, 1999, “Millimeter Band Radar Station with Long Sounding Signals," 4th International Conference of Students on Fundamental Sciences "Lomonosov' 99". Moscow State University, April 20-23. (In Russian).
31. B.A. Rozanov, **G.V. Tcheslavski**, 1998, "On Energy Potential of Millimeter-Wave Radar" MSMW'98 Symposium Proceedings. Kharkov, Ukraine, September 15-17. (In English).
32. B.A Rozanov, **G.V. Tcheslavski**, 1997, "Signal Processing in Radar Station with Quasi-continuous Emission" BMSTU Herald, series "Design of devices" #4. (In Russian).

Submitted Research Proposals:

1. 2023: DOD Discovery Award: Developing a wearable system for detecting auditory hallucinations from EEG, - Authors: **Gleb Tcheslavski (PI)**, Maryam Vasefi, Lilian Felipe, Kamal Ali, Ali Abu-El Humos, HuiRu Shih, $240,728.
2. 2023: NSF Equipment: MRI: Track 1 Acquisition of a Functional Near-Infrared Spectroscopy (fNIRS) System for Multidisciplinary Research and Education Using Brain Activities Data – Authors: Yueqing Li, **Gleb Tcheslavski (Co-PI)**, Maryam Vasefi, Lilian Felipe, Shannon Jordan, $263,157.
3. 2023: NSF S-STEM: Creating Efficient, Connected, Highly Integrated Systems by Tapping Early College High School Students (ECHiS) – Authors: Elma A Hernandez, Venkatesh Uddameri, James Curry, **Gleb Tcheslavski (Co-PI)**, $969,215.
4. 2022: NSF RUI: CRCNS Research Proposal: An EEG-based study of human perception of a dynamically varying color; linear modeling and "instantaneous" approaches - Authors: **Gleb Tcheslavski** (PI), Maryam Vasefi (Co-PI), $403,683.
5. 2021: Assessing the Impact of Artificial Intelligence and Immersive Technology on Student Learning in a Hybrid Engineering Curriculum. Authors: **G. Tcheslavski (PI)**, H. Myler, H. Yoo, M. Barzegaran, S. Andrei – NSF-RETTL – $644,781.
6. 2021: RUI:PAC: An EEG-based study of human perception of a dynamically varying color with the focus on the dorsal pathway; linear modeling and "instantaneous" approaches. Authors: **G. Tcheslavski (PI)**, Maryam Vasefi – NSF-PAC – $289,562.
7. 2021: Supporting Continuing Online Regional Engineering Education – Preparing the Academically Talented for Transfer Highways (SCORE-PATH). Authors: B. Tokgoz, R. Bradley, J. Curry, A. Marquez, **G. Tcheslavski (Co-PI)** – NSF-S-STEM – $2,348,647 (LU Budget).
8. 2021: Virtual Reality In Teaching Applied Science (VeRITAS). Authors: **G. Tcheslavski (PI)**, H. Myler, H. Yoo, M. Barzegaran – NSF-IUSE (ESL) – $299,081.
9. 2020: Promoting engaged and active learning through collaborative online lab experiences. Authors: S. Sayil, **G. Tcheslavski (Co-PI)**, H. Yoo – NSF-IUSE (ESL) – $294,097 (funded).
10. 2019: Perceptually relevant speech-to-brain entrainment model to predict the perceived sound quality of speech. Collaborative Proposal. Authors: C.-T. Tan, **G.V. Tcheslavski (PI)** – NSF-FO – $179,214 (LU Budget).
11. 2018: Acquisition of a Functional Near-Infrared Spectroscopy (fNIRS) System to Enhance Research and Education at Lamar University. Authors: Yueqing Li, Monica L. Bellon-Harn, Edythe Kirk, Cynthia Stinson, **G. Tcheslavski (Co-PI)** – NSF, MRI – $384,920.
12. 2018: An EEG-based Assessment of Congenital Color Deficiency via the Analysis of Cortical Response (the Dorsal Stream) to a Continuous Color Variation. Authors: **G. Tcheslavski (PI)**, Maryam Vasefi – NIH, PA-18-504 – $331,500.
13. 2017: A Dynamic Model of the Bicameral Mind. Authors: Myler, H.R., Kirk, E., **Tcheslavski, G. (Co-PI)** – NCS-FO – $326,853.
14. 2017: SeaDogs-A System for Robot-Assisted Hunting in a Marine Environment. Authors: Myler, H.R., Zargarzadeh, H., He, X., **Tcheslavski, G. (Co-PI)** – NRI-INT – $568,320.
15. 2017: Investigation of emergent metacognition from a bilateral brain simulation. Authors: Myler, H. R., Kirk, E., **Tcheslavski, G. (Co-PI)** – NSF – $491,031.
16. 2016: Enhancing Undergraduate Student Learning via Smartphone Learning Apps. Authors: Sayil, S., **Tcheslavski, G. (Co-PI)**, Bahrim, C., Roden, T., Maesumi, M., – NSF – $1,038,493.

17. 2016: Quantitative Study of Alterations in topical EEG associated with Autism Spectrum Disorder. Authors: **Tcheslavski, G. (PI),** Sheperis, D. – NIH, PA-13-313 – $331,500.
18. 2016: A Robotic Equine Therapy System for Autistic Children (RETA). Authors: Zargarzadeh, H., Sheperis, D., **Tcheslavski, G. (Co-PI)** – NSF NRI – $453,595.
19. 2015: Determining discrete trial training outcomes for individuals with autism spectrum disorder through EEG patterns and fNIRS hemodynamic changes. Authors: **Gleb Tcheslavski (PI)**, Carl Sheperis – Simons Foundation Autism Research Initiative – $460,874;
20. 2015: Quantitative Study of Alterations in topical EEG associated with Autism Spectrum Disorder. Authors: **Gleb Tcheslavski (PI)**, Donna Sheperis – NIH, PA-13-313 – $317,209;
21. 2015: Exploring Functional Near-Infrared Spectroscopy and Electroencephalography as Biomarkers for Cannabis Intoxication. Authors: **Gleb Tcheslavski (PI)**, Harley Myler, Kim Arrington – NIH, PA-13-313 – $362,204;
22. 2015: NRI: A Robotic Equine Therapy System for Autistic Children (RETA). Authors: Hassan Zargarzadeh, **Gleb Tcheslavski (Co-PI)**, Donna Sheperis – NSF; National Robotics Initiative (NRI); NSF 15-505 – $487,775.
23. 2014: A Pilot Study of an Electroencephalogram-based Biometrics System. Author: **G.V. Tcheslavski (PI)** – LU REG - $5,000 (funded).
24. 2014: Development of a Pilot EEG-based Biometric Authentication System. Author: **G.V. Tcheslavski (PI)** – DARPA-BAA-13-20 – $446,225;
25. 2014: Development of a Pilot EEG-based Biometric Authentication System. **Author: G.V. Tcheslavski (PI)** – DFBA-W911NF-0006 – $446,225.
26. 2012: Preliminary Study of a prototype Brain-Computer Interface system for detection and recognition of traffic light signals in the simulated driving environment. **Author: G.V. Tcheslavski (PI)** – Lamar University Research Council REG – $5,000 (funded).
27. 2012: An EEG-based study of perception of driving environment in healthy subjects. Author: **G.V. Tcheslavski (PI)** – NIH AREA R15 – $337,500.
28. 2011: Design and study of an Electroencephalogram (EEG)-based Brain-Computer Interface (BCI) prototype. Author: **G.V. Tcheslavski (PI)** – Lamar University Research Council REG – $5,000 (funded).
29. 2011: Quantitative comparison of Electroencephalogram (EEG) of tobacco smokers, non-smokers, and former smokers. Author: **G.V. Tcheslavski (PI)** – NIH AREA R15 – $396,000.
30. 2011: Developing a BCI prototype for detection of traffic light signals. Author: **G.V. Tcheslavski (PI)** – NSF, Biomedical Engineering – $66,000.
31. 2011: Design and study of an Electroencephalogram-based Brain-Computer Interface (BCI) prototype. Author: **G.V. Tcheslavski (PI)** – Alfred P. Sloan Foundation – $80,000 (Letter of Inquiry).
32. 2010: Design and study of an Electroencephalogram (EEG)-based Brain-Computer Interface (BCI) prototype. Author: **G.V. Tcheslavski (PI)** – Lamar University REG – $5,000.
33. 2009: Exploration of effects of tobacco smoking in connection with schizotypal personality on topical Electroencephalogram (EEG). Author: G.V. Tcheslavski (PI) – NSF Biomedical Engineering – $299,562.
34. 2009: Exploration of effects of tobacco smoking in connection with schizotypal personality on topical Electroencephalogram (EEG). Author: **G.V. Tcheslavski (PI)** – Norman Hackerman Advanced Research Foundation, Pre-proposal – $198,000.

35. 2009: Electroencephalography-based exploration of long-term effects of alcohol abuse compared between alcoholic patients from the Russian Federation and from the USA. Author: **G.V. Tcheslavski (PI)** – NIH PA-09-022 R03 – $132,000.
36. 2009: To empirically study effects of tobacco smoking in their connection with schizotypal personality on human Electroencephalogram (EEG). Author: **G.V. Tcheslavski (PI)** – AP Sloan Foundation, Pre-proposal – $200,000.
37. 2009: Exploration of changes in topical Electroencephalogram (EEG) induced by alcohol. Author: **G.V. Tcheslavski (PI)** – Lamar University REG – $5,000.
38. 2009: Exploration of effects of tobacco smoking in connection with schizotypal personality on topical Electroencephalogram (EEG). Author: **G.V. Tcheslavski (PI)** – NIH AREA PA-06-042 R15 – $198,000.

Vita

Gleb V. Tcheslavski was born in Moscow region, Russia in September 1972. He received his Bachelor of Science and Master of Science degrees in Electronic Engineering in June 1997 from Bauman Moscow State Technical University in Moscow, Russia. After his graduation, he worked as a Research Scientist and Teaching Assistant at Bauman Moscow State Technical University and as a Head of the Information Division at the State Reserve Committee in Russia. In January 2001 he entered Virginia Tech to pursue the PhD degree in Electrical Engineering. After defending his PhD in December 2005, he entered the University of Houston as a Postdoctoral Fellow. In August 2007 he entered the Lamar University as a Visiting Assistant Professor. He is currently an Associate Professor and Interim Department Chair at Phillip M. Drayer Department of Electrical Engineering, Lamar University. His research interests are in the areas of Digital Signal Processing, Biomedical Signal Processing, Image Processing, Radar Applications.

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