

**A RESOLUTION SUPPORTING THE NOMINATION OF JAMES GRIMSLEY TO SERVE ON THE
TEXOMA SEMICONDUCTOR TECH CONSORTIUM EXECUTIVE BOARD**

IN THE TRIBAL COUNCIL OF THE CHOCTAW NATION

RONALD PERRY INTRODUCED THE FOLLOWING COUNCIL RESOLUTION

A COUNCIL RESOLUTION

TO APPROVE a resolution supporting the nomination of James Grimsley, Choctaw Nation Executive Director of Advanced Technology Initiatives, to serve as a member of the Texoma Semiconductor Tech Consortium Executive Board as a representative of the Choctaw Nation of Oklahoma.

WHEREAS, in accordance with Article VII, Section 2 of the Constitution of the Choctaw Nation of Oklahoma (the "Nation"), the Chief has the power to "establish and appoint committees, members and delegates to represent the Choctaw Nation with the advice and consent of the Tribal Council.";

WHEREAS, the Texoma Semiconductor Tech Consortium seeks a representative from the Choctaw Nation to serve on their Executive Board for a strong partnership among all consortium members;

WHEREAS, Chief Gary Batton nominates James Grimsley, Choctaw Nation Executive Director of Advanced Technology Initiatives to serve as a member of the Texoma Semiconductor Tech Consortium Executive Board to represent the Nation and its technology and education programs. This position has the potential for growing this industry and equipping the Nation's tribal members for jobs in technological fields;

WHEREAS, Mr. Grimsley's experience and expertise make him a great fit for this role; He is well versed in technological advances, and oversees the Nation's technology programs. He excels at communicating between the tribal Nations, federal agencies, other governments, and private industry. This role will enable him to connect and serve the Nation through economic development and growing the tech industry on the Reservation;

WHEREAS, the Tribal Council of the Choctaw Nation of Oklahoma supports efforts to build and grow our relationship with regional partners, including federal agencies, universities, businesses, and workforce development initiatives;

WHEREAS, Mr. Grimsley is highly qualified and equipped to serve in this role due to his commitment to serving the Nation's tribal members and connecting technological advancement programming to educational and career development needs in the Choctaw Nation; and

WHEREAS, the Tribal Council of the Choctaw Nation of Oklahoma has determined it is in the best interest of the Nation to support the nomination of Dr. Grimsley to serve on the Texoma Semiconductor Tech Consortium Executive Board as a representative of the Nation.

THEREFORE, BE IT RESOLVED by the Tribal Council of the Choctaw Nation of Oklahoma that this Resolution be cited as approval for supporting the nomination of Mr. James Grimsley to serve on the Texoma Semiconductor Tech Consortium Executive Board.


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CERTIFICATION

I, the undersigned, as speaker of the Tribal Council of the Choctaw Nation of Oklahoma, do hereby certify that the Tribal Council is composed of twelve (12) seats. Eight (8) members must be present to constitute a quorum. I further certify that twelve (12) members answered roll call and that a quorum was present at the Regular Session of the Tribal Council at Tuskahoma, Oklahoma on January 13, 2024. I further certify that the foregoing Council Resolution CR- 11 -24 was adopted at such meeting by the affirmative vote of twelve (12) members, zero (0) negative votes, and zero (0) abstaining.



Ronald Perry, Secretary
Choctaw Nation Tribal Council



Thomas Williston, Speaker
Choctaw Nation Tribal Council



Gary Patton, Chief
Choctaw Nation of Oklahoma

Date 1-18-24

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Purpose/Need of Council Resolution: The purpose of this Resolution is to support the nomination of Mr. James Grimsley, Choctaw Nation Executive Director of Advanced Technology Initiatives, to serve as a member of the Texoma Semiconductor Tech Consortium Executive Board. This role will be a voice for the Nation in the consortium funded by the U.S. Economic Development Administration (EDA), comprised of partners from the academic, government, industry, and research sectors. This role will serve alongside representatives from Southern Methodist University, the City of Fort Worth, Baylor University, the City of Richardson, Texoma Councils of Government, Texas Instruments, Lockheed Martin, and many others. Mr. Grimsley works to connect the Nation's advanced technology initiatives with tribal members' educational and workforce needs. He has the technological expertise to represent the Nation as the board member of this prestigious consortium. This nomination will ensure that the Nation will have a voice within an important technological organization and fulfill the Nation's strategic goal of protecting and promoting tribal sovereignty by placing Choctaw Tribal Members and Choctaw Nation leaders in political positions.

**Title of Council Resolution: A RESOLUTION SUPPORTING THE NOMINATION OF JAMES
GRIMSLEY TO SERVE ON THE TEXOMA SEMICONDUCTOR TECH CONSORTIUM EXECUTIVE
BOARD**

Agency: Government Relations

Budget: N/A

Match Required: N/A

Request by: John Hobbs, SEO Communications

Biography

James L. Grimsley

jgrimsley@choctawnation.com

James Grimsley serves as the Executive Director for Advanced Technology Initiatives with the Choctaw Nation of Oklahoma and also serves as an Oklahoma Transportation Commissioner with oversight and governance responsibilities for the Oklahoma Department of Transportation. Mr. Grimsley currently serves on the Board of Directors for the Commercial Drone Alliance (CDA) as well as a variety of other boards and advisory groups. As part of Mr. Grimsley's Choctaw Nation duties, he currently manages the FAA BEYOND Program (the Choctaw Nation of Oklahoma is the only tribal lead participant in the BEYOND program), and previously managed the FAA Integration Pilot Program (IPP) for the Choctaw Nation. In October 2022 U.S. Secretary of Transportation Pete Buttigieg appointed Mr. Grimsley to the FAA's Advanced Aviation Advisory Council (AAAC). Mr. Grimsley has also served on multiple FAA Aviation Rulemaking Committees (ARCs) including the Beyond Visual Line of Sight ARC.

Mr. Grimsley's undergraduate and graduate degrees are in aerospace and mechanical engineering, and Mr. Grimsley has more than 32 years of professional experience in the aviation and defense industries including corporate executive experience as well as being an Associate Vice President for Research at the University of Oklahoma. Most of Mr. Grimsley's career has involved uncrewed aerial systems (UAS). Mr. Grimsley has published papers in both peer-reviewed engineering journals and law journals on issues related to drones and emerging aviation. Mr. Grimsley has also testified before Congress on aerospace innovation topics and has appeared multiple times before the Oklahoma legislature to discuss aerospace and aviation policy issues. Mr. Grimsley was a speaker at the White House Advanced Air Mobility (AAM) Summit in August 2022. Mr. Grimsley has been a regular speaker at industry conferences and a commentator in the press since 2007 for drone and emerging aviation topics.

James Lloyd Grimsley
8901 72nd St
Noble, OK 73068
(405) 514-7365 (M)
james@jamesgrimsley.com

E d u c a t i o n

University of Oklahoma

Norman, Oklahoma

Additional work toward Ph.D. in Mechanical Engineering ("All but dissertation").

University of Oklahoma, 1993

Norman, Oklahoma

M.S. Mechanical Engineering.

University of Oklahoma, 1990

Norman, Oklahoma

B.S. Aerospace Engineering.

R e c e n t H i g h l i g h t

Invited to testify before the U.S Congress in April 2021 (U.S. House of Representatives Committee on Transportation and Infrastructure / Aviation Subcommittee in a hearing titled "The Leading Edge: Innovation in U.S. Aerospace.")

P r o f e s s i o n a l e x p e r i e n c e

Choctaw Nation of Oklahoma (2019 - Present)

Durant, Oklahoma

Executive Director – Advanced Technology Initiatives (June 2019 – present)

Oklahoma Transportation Commission (May 1, 2019 – Present)

Oklahoma City, Oklahoma

Transportation Commissioner for District 2

State of Oklahoma Advanced Mobility Advisory Council (2021 – Present)

Oklahoma City, Oklahoma

Appointed Member

Noble Research Institute (2017 – 2022)

Ardmore, Oklahoma

Non-Resident Research Fellow / Applied Technology

Oklahoma Autonomous Vehicle Steering Committee (2019 – Present)

Oklahoma City, Oklahoma

Appointed to Committee by Oklahoma Transportation Secretary Tim Gatz

Design Intelligence Incorporated, LLC (April 2007 – April 2019)

Norman, Oklahoma

Founder / President / CEO

Recipient of 2008 and 2014 Innovator of the Year awards from the Oklahoma Journal Record.

University of Oklahoma (August 2011 – May 2018)

Norman, Oklahoma

Associate Vice President for Research

Founding Director of the Center For Applied Research And Development (CARD) (August 2011 – April 2013)

Member of University Research Cabinet

Governor's Unmanned Aerial Systems Council (July 2011 – November 2015)

Oklahoma City, Oklahoma

Governor's appointee and member (unpaid position)

Unmanned Systems Alliance of Oklahoma (USA-OK) (Feb 2009 – May 2014)

*(*Note that USA-OK became a state chapter of the Association for Unmanned Vehicle Systems International (AUVS) in 2011)*

Chairman- February 2009 – May 2011

President – May 2011 – May 2014

AUVSI's "Member of the Year" in 2014

Oklahoma Aerospace Institute 2009- 2010

Midwest City, Oklahoma

Manager – Unmanned Systems

LSI/Shibley Associates 2007- 2010

Midwest City, Oklahoma

Proposal Strategist

Responsible for various consulting positions for proposal development including proposal strategist and leadership roles.

Independent Consultant 2004- 2007

Norman, Oklahoma

Technology Consultant / Advisor

Science Applications International Corporation (SAIC) 1997- 2004

Midwest City, Oklahoma

External Consultant (March 2003 – September 2004)

Assistant Vice-President / Technical (January 2002-March 2003)

Chief Engineer (October 2000 – January 2002)

Business Area Manager/Chief Engineer (May 1999 – October 2000)

Senior Mechanical Engineer (1997-1999)

Responsible for overall business development. Responsibilities included defining business development goals and growth strategies for the entire division, supervising marketing leads for individual business areas, and leading and supporting various marketing initiatives. Also participated heavily in proposal development efforts for large ID/IQ contracts.

Experience in all stages of the business development cycle including opportunity identification, initial marketing meetings with potential customers, technical viability assessments, business case analysis, proposal preparation and cost estimating.

Responsible for managerial and technical oversight for the Systems Engineering, Development, and Test Business Area. Responsible for business development, staffing, and program management.

Projects involve engineering analysis and design of various aircraft components, problem identification studies, prototype development, test facility upgrades and design, alternative fuel vehicle prototype development, NDI equipment development for aircraft inspections.

University of Oklahoma 1994 - 97

Norman, Oklahoma

Research Assistant: NSF-funded research project involving performance measurement in the engineering design process.

Teaching Assistant: Taught Introduction to Computer-Aided Design (AME 4193) for three semesters.

US Air Force – Oklahoma City Air Logistics Center, 1993 - 94

Midwest City, Oklahoma

Electronics Engineer (GS-855), OC-ALC/LAS (Avionics Software).

P r o f e s s i o n a l S e r v i c e / C o m m i t t e e s

Appointed to State of Oklahoma Advanced Mobility Advisory Council
FAA Beyond Visual Line of Sight (BVLOS) Aviation Rulemaking Committee (ARC)
FAA UAS Detection and Mitigation Aviation Rulemaking Committee (ARC)
U.S. Department of Justice State/Local/Tribal/Territorial UAS Working Group
Commercial UAV Expo Advisory Board
Commercial Drone Alliance – Board of Directors / Treasurer

A f f i l i a t i o n s

American Mensa
Sigma Gamma Tau (National Aerospace Engineering Honor Society)
Commercial Drone Alliance
American Institute of Astronautics and Aeronautics (AIAA)

P u b l i c a t i o n s

Blitz, Marc Jonathan and Grimsley, James and Henderson, Stephen E. and Thai, Joseph T., *Regulating Drones Under the First and Fourth Amendments* (March 5, 2015). 57 Wm. & Mary L. Rev. 49 (2015). Available at SSRN: <https://ssrn.com/abstract=2574378>

Kelly M. Trautz, Phillip P. Jenkins, Robert J. Walters, David A. Scheiman, Raymond Hoheisel, Rao Tatavarti, Ray Chan, Haruki Miyamoto, Jessica Adams, Victor Elarde, James L. Grimsley, "Mobile Solar Power", 38th IEEE Photovoltaic Specialist Conference, June 3-8, 2012, Austin, Texas.

Grimsley, J., and Chang, K.H., "A Three-Tier Approach for Reliability-Based Design of Printed Circuit Boards", presented at the World Congress on Multi-Discliplinary Structural Optimization, University of Buffalo, Buffalo, New York, May 17-21, 1999.

Grimsley, J.L., Theodoracatos, V.E., and Badiru, A.B., "A Performance Measurement Tool for Design Activity Based on a State-Space and Expert System Hybrid Environment," *First International Conference on Engineering Design and Automation*, Bangkok, Thailand, March, 1997.

Grimsley, J.L. Theodoracatos, V.E., and Atkins, S.L., "Three-Dimensional Design Enterprise Visualization," *Proceedings of the 10th Mid-America Symposium on Emerging Computer Technologies '96*, University of Oklahoma, October 28-29, 1996.

Theodoracatos, V.E., and Grimsley, J.L., "The Optimal Packing of Arbitrarily-Shaped Polygons Using Simulated Annealing and Polynomial-Time Cooling Schedules," *Computer Methods in Applied Mechanics and Engineering*, Vol. 125, 1995.

U n i q u e E x p e r i e n c e

Proposal and Business Development Experience

Co-capture manager for State of Oklahoma proposal for Federal Aviation Administration (FAA) Unmanned Aerial Systems Test Site Selection (UASTSS) proposal and also designated state UAS lead manager.

Successful experience in developing proposals for the United States Air Force, United States Army, National Science Foundation, Federal Aviation Administration, and Office of Management and Budget as well as commercial and state government proposals.

References available upon request.

Key Roles on Major SAIC Proposal Development Efforts

Total Ceilings for SAIC Contract Wins: > \$4 Billion

R2CSR (Army/1998) - Participated as sample task leader on Army CECOM R2CSR Proposal and also video proposal presenter. SAIC teamed with Lockheed Martin as a significant subcontractor. This particular sample task received an "Outstanding" evaluation and contributed toward Lockheed Martin's R2CSR win with a contract ceiling of approximately \$2 Billion.

TTOES II (Air Force/1999) – Participated as “Technical Book Boss” on SAIC’s TTOES II proposal. The Technical Volume received the only “Blue” evaluation rating of any submittal received by the Air Force for this procurement. Other responsibilities included identifying potential teaming subcontractors and negotiating teaming roles and agreements. Also participated in the BAFO (“Best and Final Offer”) process and assisted with responding to various questions and evaluation notices for the proposal.

FAST (Air Force/2000) – Participated in the initial proposal development strategy group during the pre-RFP stages and as a Technical Representative to the Proposal Red Team.

RESULTS (FAA/2001) – Prepared SAIC’s RFI response which formed the basis of the FAA’s award decisions for the RESULTS contract. Also assisted in the initial marketing of the contract and for initial development of the FAA Business Area for the division.

EITA (Air Force/2003) – Technical Book Boss for the SAIC Team’s proposal for the Air Force’s Enterprise Information Technology Acquisition Contract. Managed technical writers from multiple team member companies as well as SAIC. Participated in all stages of the proposal development process.

Key Roles on Major Proposal Development Efforts (other than SAIC)

Federal e-Payroll Initiative (OMB/2002) – Led Department of Transportation team in developing and submitting a proposal for the federal e-Payroll initiative. The FAA was the lead agency for the DoT proposal.

Small Business Proposal Development Experience

SBIR – Developed several winning Phase I and Phase II proposals for Design Intelligence Incorporated, LLC for the Small Business Innovative Research programs with the Air Force, Army, and National Science Foundation. Submitted winning proposals to the Air Force Research Laboratory (AFRL) in 2004, 2007, 2008, 2009, and 2010.

S p e c i f i c E x p e r i e n c e R e l a t e d t o E n g i n e e r i n g

Embedded System Development

Research and Development in UAS Power Management for Extended Duration – Served as principal investigator on several federally-funded projects that focused on the development of innovative power management solutions to extend the operational endurance of electric-powered small UAS (primarily fixed wing) based on energy harvesting concepts, including multi-modal energy sources (solar, vibration, thermal, radio frequency, etc.).

Experience with Embedded Microcontroller Architectures - Extensive experience with intel and other architectures and development of embedded systems. Project experience includes development of parallel embedded processing environments for use in the control of electro-mechanical systems.

Experience with DoD Embedded Systems - Experience with maintainance and analysis of operational flight software (OFS) for the Air-Launched Cruise Missile (ALCM) and Advanced Cruise Missile (ACM). Experience with DoD software development and management and working within AF requirements and configuration management and version control.

Forensic Engineering Analysis of Embedded System Hardware - Served as a engineering technical consulting in a major class-action lawsuit involving faulty embedded systems in the automobile industry. Analyzed embedded source code, recreated simulations, and assisted in failure analysis.

Supporting experience Related to Embedded Systems - Experience and expertise in a broad range of embedded architectures and systems including PIC microcontrollers, ASIC devices, hybrid analog and digital systems, neural networks, and digital/electronic control theory and systems. Extensive software development background which includes Ada, C/C++, Fortran, Pascal, Jovial, Atlas, Machine/Assembly, JCL, Java, PHP, Perl and many interpreted languages. Experience in real-time operating systems for embedded applications. Experienced in the reverse-engineering and analysis of firmware. Extensive experience in the use of software and hardware to support firmware development and implementation.

S p e c i f i c T r a i n i n g

Program Management I & II (SAIC)
Proposal Development Training (SAIC and OCAST)
Systems Engineering (SAIC)
ADA Programming (Air Force)

S u m m a r y o f q u a l i f i c a t i o n s

CAD

Experience with Altium Designer, Solidworks, AutoCAD, CADKey, SDRC I-DEAS, and Pro-Engineer. Experience in developing translation software based on DXF, IGES, and CADL data export formats.

Unique experience in using advanced computational geometry concepts to extend capabilities of various CAD packages. Experience includes optimal geometric searching, use of Voronoi techniques, as well as solid and constructive geometry techniques.

Artificial Intelligence/Engineering Optimization

Experience and training in neural networks (back-propagation, radial basis functions), expert systems, genetic algorithms (including parallel implementations), simulated annealing, gradient-based optimization techniques, linear and non-linear programming, quadratic programming, and simulated annealing.

Finite Element Structural Analysis (FEA)

Experience with SDRC I-DEAS, Algor, and MSC-Pal/MSC-Nastran. Experience in both linear and non-linear static stress analysis as well as dynamic analysis and thermal analysis. Previous collaboration with the University of Oklahoma College of Dentistry in using the Algor FEA package for various research projects.

Computer Programming

Extensive experience in JAVA, C/C++ programming on MS-Windows, MS-DOS, and Unix platforms, and PHP. Training and experience in Fortran, ADA, Jovial, and Basic. Training and experience in object-oriented methods and programming. Experience in developing embedded systems based on both Intel and Motorola architectures using assembly language.

Participated in organization SEI CMM initiatives for SEI level assessment. Also experienced in various development methodologies (such as 2167A approaches).

Program Management and Systems Engineering

Program Management and Systems Engineering experience on a wide array of technical and engineering projects. Completed formal SAIC training in Program Management I (PM-I) and Program Management II (PM-II), as well as formal Systems Engineering training within SAIC.