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Re:
Visa Type: I-140 Petition for an individual with Extraordinary Abilities
Petitioner: Albert Johnson
Beneficiary: Carnegie Mellon University

Dear USCIS Official,

The accompanying information and documentation are hereby submitted in furtherance of an I-140 Petition on behalf of **Carnegie Mellon University** as an individual showcasing extraordinary ability in the role of **Quantum Physics Professor**

Please refer to **EXHIBIT 1** for the following documentation:

- (1) G-28
- (2) VisaIn order to pursue immigration under the EB-1 Employment First Preference category for individuals with extraordinary ability in various fields, the Alien or their representative must file an I-140 Petition in accordance with 8 CFR 204.5(h)(1), signed by the Alien and submitted through legal counsel with a G-28 form, as per regulatory guidelines. It is important to note, as outlined in 8 CFR 204.5(h)(5), that no job offer or labor certification is necessary for this classification; however, the petitioner must demonstrate a commitment to advancing their expertise in the United States, showcasing how their contributions will positively impact the nation's interests moving forward.

Dr. Albert Johnson, an esteemed scholar in the field of quantum physics, is seeking approval for an O-1A visa to continue his groundbreaking work in the United States. With a distinguished career spanning over fifteen years and accolades including the Nobel Prize in Physics, Dr. Johnson's expertise aligns with national interest and market value in advancing quantum mechanics and theoretical physics.

Having held prestigious academic positions at renowned institutions globally, Dr. Johnson's collaboration with defense, aerospace, and academic sectors underscores the practical applications of his research. His upcoming appointment at Carnegie Mellon University, focusing on quantum-coherence modeling and AI applications in high-energy physics, demonstrates his commitment to advancing scientific knowledge and innovation in the U.S.

Furthermore, Dr. Johnson's partnerships with industry leaders like Lockheed Martin highlight the market relevance of his work, particularly in quantum-assisted spaceflight systems and clean energy solutions. By continuing his research and mentorship activities in the U.S., Dr. Johnson aims to bolster the country's leadership in quantum research and propel technological advancements on a national and global scale.

Please refer to **EXHIBIT 2** for the LETTER OF INTENT provided by the beneficiary.

Professor Albert Johnson's work as a Quantum Physics Professor at Carnegie Mellon University has a significant impact on the U.S. economy and the field of quantum physics. According to the National Center for Quantum Research and Technology (NCQRT), his research has been instrumental in shaping national quantum strategies and defense-grade communication models. Professor Johnson's breakthroughs in entanglement stability and quantum field stabilization have earned him recognition from prestigious organizations like the International Quantum Physics Committee, the White House Office of Science and Technology Policy, and the Royal Swedish Academy of Sciences.

Furthermore, as a Voting Judge for the International Entanglement Fair (IEF), Professor Johnson has evaluated cutting-edge research in quantum entanglement, quantum computing, and high-energy physics applications. His role in mentoring emerging physicists and fostering collaboration within the global quantum physics community demonstrates his commitment to advancing knowledge and supporting young researchers.

These contributions not only enhance the scientific standing of the U.S. but also have practical applications in areas such as next-generation propulsion systems, artificial intelligence, and clean energy solutions. Professor Johnson's work not only benefits the field of quantum physics but also contributes to the U.S. economy by driving innovation, research, and technological advancements in quantum technologies.

In conclusion, Professor Johnson's expertise and leadership in quantum physics have a measurable benefit to the U.S. economy by promoting scientific advancement, technological innovation, and global collaboration within the field. His contributions are recognized globally and have a lasting impact on the future of quantum research in the United States.

Citations:

- National Center for Quantum Research and Technology (NCQRT)
- International Entanglement Fair (IEF)

Receipt of lesser nationally or internationally recognized prizes or awards for excellence in the field of endeavor [8 CFR 204.5(h)(3)(i)]

Carnegie Mellon University has garnered prestigious accolades and honors for its distinguished Quantum Physics Professor. Recognized for excellence in the field, the professor has been the recipient of several esteemed prizes and awards. Their contributions to the realm of Quantum Physics have been widely acknowledged and celebrated.

Nobel Prize in Physics

The Nobel Prize in Physics awarded by the prestigious Royal Swedish Academy of Sciences to Carnegie Mellon University is a mark of exceptional achievement. The award recognizes groundbreaking research in quantum physics and particle acceleration

technology by Professor Albert Johnson, reshaping our understanding of subatomic interactions. Professor Johnson's work on high-energy particle acceleration and quantum field stabilization has significantly advanced modern experimental physics methodologies. His innovative Johnson Quantum Acceleration Model (JQAM) has revolutionized particle acceleration, increasing efficiency by over 30% while reducing energy dissipation and particle loss. This recognition underscores the profound impact of Professor Johnson's contributions on the field of physics and scientific innovation.

Please refer to a letter from Hector J. Lucalowicz, Vice President, The Royal Swedish Academy of Sciences, who states:

"It is with great honor that the Royal Swedish Academy of Sciences acknowledges the outstanding contributions of Professor Albert Johnson, whose pioneering research in quantum physics and particle acceleration technology has reshaped our fundamental understanding of subatomic interactions. As Vice President of the Judging Committee, I am pleased to confirm that Professor Johnson was awarded the Nobel Prize in Physics for his groundbreaking work on high-energy particle acceleration and quantum field stabilization, which has redefined the methodologies of modern experimental physics. Professor Johnson's career spans over 15 years of academic and research excellence at some of the world's most prestigious institutions, including Oxford University, the University of Cambridge, and the British College of Science. His contributions to quantum mechanics, relativity, and particle physics have earned him widespread recognition in the scientific community. However, it is his revolutionary advancements in particle acceleration technology that have had the most profound and lasting impact on the field. The Nobel Prize in Physics was awarded to Professor Johnson in recognition of his development of the Johnson Quantum Acceleration Model (JQAM), an innovative framework that introduced an entirely new approach to particle acceleration. His work addressed a fundamental challenge in high-energy particle physics—the stabilization of quantum fields during acceleration—by implementing a novel technique involving electromagnetic wave harmonization and controlled vacuum fluctuations. This discovery not only increased acceleration efficiency by over 30%, but also significantly reduced energy dissipation and particle loss, paving the way for the next generation of particle colliders and fusion research experiments. Furthermore, his contributions to quantum entanglement studies within accelerator environments have led to an improved understanding of wave-particle duality at ultra-relativistic speeds, with profound implications for future advancements in both theoretical physics and practical applications, such as quantum computing and space propulsion technologies."

Please refer to **EXHIBIT 3** for further details on the award's prestige, the awarding organization, and proof of receipt.

Presidential Peace Prize

Carnegie Mellon University has been awarded the prestigious Presidential Peace Prize for its significant contributions to global scientific collaboration and the advancement of quantum physics for peaceful technological progress. The award is highly esteemed due to its recognition of individuals and institutions that promote international cooperation and diplomacy through science and innovation. The organization responsible for awarding the prize, the United States Government, is renowned for its leadership in

promoting peace, diplomacy, and technological advancements on a global scale. This acknowledgment underscores Carnegie Mellon University's commitment to fostering peaceful scientific diplomacy and advancing technological solutions for the benefit of all humankind. The university's receipt of the Presidential Peace Prize reflects its dedication to promoting international cooperation and innovation in the pursuit of shared knowledge and progress.

Please refer to a letter from Albert Johnson, Secretary, United Nations, who states:

"Professor Johnson was awarded the Presidential Peace Prize for his pioneering breakthroughs in quantum-based communication and energy technologies that have fostered international collaboration, prevented technological monopolization, and advanced peaceful scientific diplomacy. His work on high-energy particle acceleration technology has led to innovations in clean energy production, sustainable fusion research, and deep-space propulsion systems, enabling nations to work together in the pursuit of knowledge and shared technological progress. One of his most significant achievements includes the development of the Johnson Quantum Secure Network (JQSN), a quantum-encrypted global communication system designed to prevent cyber warfare, protect sensitive international diplomatic communications, and ensure the integrity of global scientific exchanges. His contributions have been instrumental in forging new alliances between scientific communities across nations, strengthening cooperative research initiatives between the United States, Europe, and developing nations. Professor Johnson has also played a key advisory role in United Nations-led discussions on the ethical implementation of quantum computing and artificial intelligence, advocating for equitable access to emerging technologies and ensuring that scientific progress remains a force for unity rather than division. His mentorship of young physicists from underrepresented regions has empowered the next generation of researchers, reinforcing the belief that science should transcend borders, politics, and conflict. The United States Government and the international scientific community recognize Professor Johnson's unparalleled contributions to both theoretical physics and global diplomacy. His work embodies the very spirit of the Presidential Peace Prize, reflecting the highest ideals of scientific integrity, peaceful cooperation, and the pursuit of knowledge for the betterment of humanity."

Please refer to **EXHIBIT 4** for further documentation regarding the aforementioned letter, including compelling evidence of the award's prestige and the credibility of the awarding organization.

Grand Prize in Quantum Physics

The Grand Prize of Quantum Physics awarded to Professor Albert Johnson by the International Quantum Physics Committee (IQPC) is a prestigious recognition of his groundbreaking contributions to quantum mechanics, particle acceleration, and quantum entanglement research. Professor Johnson's career, spanning over 15 years at esteemed institutions such as Oxford University and the University of Cambridge, showcases his expertise in quantum mechanics, relativity, and particle physics. His innovative Johnson Quantum Field Stabilization Protocol (JQFSP) has significantly reduced decoherence effects in high-energy collisions, improving the precision of quantum experiments. Additionally, his research has advanced the understanding of quantum entanglement in

extreme gravitational and electromagnetic fields, with practical applications in quantum cryptography and space communication systems. The award highlights Professor Johnson's pivotal role in advancing the field of quantum physics and his leadership in fostering international collaboration among researchers.

Please refer to a letter from Albert Johnson, Committee Head, International Quantum Physics Committee, who states:

The Grand Prize of Quantum Physics was awarded to Professor Johnson for his revolutionary breakthroughs in quantum coherence stabilization within particle accelerators. His research led to the development of the Johnson Quantum Field Stabilization Protocol (JQFSP), a novel method that significantly reduces decoherence effects in high-energy collisions. This innovation has enhanced the precision of quantum experiments by minimizing information loss, a key obstacle in both particle physics and quantum computing applications. His work also played a fundamental role in redefining the relationship between quantum entanglement and relativistic motion, introducing a new predictive model that explains how entangled particles behave under extreme gravitational and electromagnetic fields. This has had direct applications in experimental quantum cryptography, quantum teleportation, and next-generation space communication systems. The IQPC selection committee unanimously recognized Professor Johnson's achievements as a milestone in the evolution of quantum physics, bridging the gap between theoretical postulates and real-world applications. His research has directly influenced global projects, including upgrades to the Large Hadron Collider (LHC), advancements in quantum artificial intelligence, and the refinement of high-energy plasma containment fields for future fusion reactors. Beyond his technical achievements, Professor Johnson has also demonstrated remarkable leadership in the global physics community, mentoring doctoral candidates and early-career researchers while fostering international collaboration in high-impact quantum research.

Please refer to **EXHIBIT 5** for further documentation supporting the credibility and significance of the mentioned award.

Membership in associations in the field for which classification is sought that require outstanding achievement of their members, as judged by recognized national or international experts in their disciplines or fields [8 CFR 204.5(h)(3)(ii)]

Carnegie Mellon University proudly holds membership in various distinguished organizations, solidifying its reputation as a respected institution of higher learning. This prestigious recognition showcases the university's commitment to excellence and innovation across a range of academic disciplines. By aligning with these esteemed organizations, Carnegie Mellon continues to uphold its position as a leader in the field of education.

IQPC

The International Quantum Physics Committee (IQPC) is a prestigious membership organization based in Geneva, Switzerland, known for its exclusive community of

leading quantum physicists, researchers, and innovators. Membership in the IQPC is highly esteemed and granted only to individuals who have made groundbreaking advancements in the field of quantum science and have demonstrated a commitment to global scientific progress. The selection process for membership is rigorous, involving peer nomination, evaluation by the IQPC scientific board, and final approval by a panel of renowned physicists. Membership offers privileged access to classified research, collaborative projects, and high-level discussions with top scientific institutions worldwide. Professor Andrew Johnson's membership in the IQPC is a recognition of his exceptional contributions to quantum research and his leadership in the field.

Please refer to a letter from Andrew Porco, Chief Executive Officer, International Quantum Physics Committee, who states:

"His remarkable contributions to particle acceleration technology, quantum entanglement, and high-energy physics have earned him a place among the select individuals shaping the future of quantum science. Membership in the IQPC is one of the highest honors a physicist can achieve and is granted only to those who have demonstrated groundbreaking advancements in the field, an unwavering commitment to scientific progress, and a significant global impact. The selection process is highly rigorous and consists of multiple stages, including peer nomination by existing members, comprehensive evaluation by the IQPC scientific board, and final approval by an elite panel of world-renowned physicists. Each year, only a handful of scientists worldwide are accepted, reflecting the exclusivity and prestige associated with this institution. As a member of the IQPC, Professor Johnson enjoys privileged access to classified research, cutting-edge data, and top-tier collaborative projects that push the boundaries of modern quantum mechanics. This membership grants him the opportunity to engage in high-level discussions, policy advising, and experimental research collaborations with the most respected institutions and laboratories worldwide, including CERN, NASA, and the Max Planck Institute. Additionally, he is invited to attend exclusive international symposiums, closed-door research summits, and high-level quantum policy meetings that influence the global scientific agenda."

Please refer to **EXHIBIT 6** for further details regarding the aforementioned letter, including objective evidence of the membership's prestige and acknowledgment of receipt.

Royal Swedish Academy of Sciences

The Royal Swedish Academy of Sciences, located in Stockholm, Sweden, is a prestigious institution known for promoting advanced research and awarding the Nobel Prize in Physics. Membership in the Academy is highly exclusive and granted only to individuals who have demonstrated exceptional achievements in science and innovation. Professor Albert Johnson has been recognized as an esteemed member for his pioneering contributions to quantum physics, particle acceleration technology, and theoretical astrophysics, solidifying his status as a leader in modern physics. As a distinguished member, Professor Johnson enjoys exclusive access to high-level scientific forums, privileged research data, and collaborative initiatives with the world's leading physicists and Nobel laureates. His membership in the Academy is a testament

to his unparalleled expertise and dedication to advancing human knowledge on an international scale.

Please refer to a letter from Albert Johnson, Membership Director, Royal Swedish Academy of Sciences, who states:

"Professor Johnson was selected for this honor based on: His breakthrough research in quantum entanglement stability, which has reshaped theoretical physics and quantum computing applications. His invention of advanced particle acceleration technologies, improving efficiency and precision in high-energy physics experiments. His theoretical contributions to black hole information paradox solutions, influencing global research in astrophysics and relativity. His outstanding mentorship and leadership in international research collaborations, fostering scientific progress across multiple disciplines. As a distinguished member of the Royal Swedish Academy of Sciences, Professor Johnson enjoys exclusive access to high-level scientific forums, privileged research data, and collaborative initiatives with the world's leading physicists and Nobel laureates. He is frequently invited to contribute to advisory panels, policy discussions, and global research projects aimed at shaping the future of quantum science and experimental physics. His membership in the Academy is not only a testament to his unparalleled expertise and groundbreaking discoveries but also to his dedication to advancing human knowledge and scientific progress on an international scale. Few individuals attain this level of recognition, and Professor Johnson's contributions will continue to influence and inspire the next generation of physicists and researchers."

Please refer to **EXHIBIT 7** for further documentation supporting the credibility and significance of the membership discussed above.

The person's participation, either individually or on a panel, as a judge of the work of others in the same or an allied field of specification for which classification is sought [8 CFR 204.5(h)(3)(iv)]

Carnegie Mellon University has been actively engaged in collaborative efforts with external organizations, where they have contributed as panelists or judges. These engagements have involved the participation of esteemed faculty members, including those from the Quantum Physics department. Such collaborations serve to foster knowledge exchange and promote advancements in the field of quantum physics.

International Entanglement Fair

Professor Albert Johnson's role as a Voting Judge at the International Entanglement Fair (IEF) is a highly prestigious position due to the event being recognized as the world's foremost competition in quantum entanglement research and related fields. The IEF is an exclusive gathering of leading experts in quantum physics, showcasing cutting-edge discoveries and technological advancements. The judging panel, reserved for esteemed physicists and Nobel laureates, undergoes a rigorous selection process to ensure only the most qualified individuals, like Professor Johnson, are chosen. His responsibilities as a judge included evaluating groundbreaking research projects in areas such as quantum entanglement in extreme gravitational fields and high-energy particle collision,

shaping the future of quantum research. Professor Johnson's role extended beyond judging as he mentored young physicists, fostering collaboration and strengthening the global quantum physics community. His contributions have been instrumental in advancing knowledge and innovation in the field, solidifying his reputation as one of the most influential scientists of his generation.

Please refer to a letter from Albert Johnson, Chair, Global Quantum Science Council, who states:

"Beyond his duties as a judge, Professor Johnson also mentored emerging physicists, providing valuable guidance and fostering collaboration between research teams and institutions. His commitment to advancing knowledge and supporting young researchers has strengthened the global quantum physics community, further solidifying his reputation as one of the most influential scientists of his generation. On behalf of the International Entanglement Fair and the Global Quantum Science Council, we extend our deepest gratitude to Professor Albert Johnson for his outstanding contributions to quantum research and his service as an esteemed IEF judge. His leadership and expertise will continue to shape the future of quantum science and innovation."

Please refer to **EXHIBIT 8** for further substantiation of the aforementioned letter, which provides compelling evidence regarding the esteemed reputation of the organization and the significance of this role.

British Science Museum Foundation

Professor Albert Johnson holds a prestigious role as a Voting Judge for the National Scientific Inquiry Competition organized by the esteemed British Science Museum Foundation. This position signifies his expertise in quantum physics, particle acceleration technology, and high-energy research, establishing him as a key figure in shaping the future of scientific discovery. The competition itself is renowned for attracting submissions from top universities, research institutions, and scholars globally, making it one of the most respected scientific challenges in the United Kingdom. As a Voting Judge, Professor Johnson plays a critical role in evaluating cutting-edge research and ensuring that only the most innovative and transformative work is recognized and rewarded. His selection for this role reflects not only his significant contributions to physics but also his commitment to advancing global scientific research, mentoring the next generation of scientific leaders. The British Science Museum Foundation acknowledges Professor Johnson's vital role in maintaining the highest standards of scientific excellence within the competition.

Please refer to a letter from Albert Johnson, Voting Judge, British Science Museum Foundation, who states:

"His unparalleled expertise in quantum physics, particle acceleration technology, and high-energy research has made him an invaluable member of our judging panel, where he helps shape the future of scientific discovery by evaluating groundbreaking research from the brightest emerging minds in the field. The National Scientific Inquiry Competition is among the most respected and competitive scientific challenges in the

United Kingdom, drawing submissions from the top universities, research institutions, and independent scholars worldwide. Being selected as a Voting Judge for this esteemed event is a rare and distinguished honor that is reserved only for the most accomplished scientists, Nobel laureates, and pioneers in their respective fields. His role demands exceptional analytical skills, ethical judgment, and deep technical knowledge across multiple disciplines. Through his work as a judge, educator, and researcher, Professor Johnson continues to influence the trajectory of modern physics, inspiring young scientists to push the boundaries of human knowledge. His expertise, integrity, and vision make him an indispensable part of our judging panel, ensuring that the highest standards of scientific excellence are upheld."

Please refer to **EXHIBIT 9** for further documentation regarding the aforementioned letter, which provides concrete evidence of the esteemed reputation of the judging organization and additional supporting evidence of this position.

The person has performed in a leading or critical role for organizations or establishments that have a distinguished reputation [8 CFR 204.5(h)(3)(viii)]

FUTURE LEAD ROLE IN ORGANIZATIONS

CONCLUSIONS

Carnegie Mellon University meets the criteria points for prestigious awards, exclusive memberships, and esteemed judging panels.

Carnegie Mellon University's background showcases a long history of receiving notable awards, belonging to elite academic societies, and contributing expertise to prominent judging panels. This distinguished profile aligns with the requirements for an EB-1 Extraordinary Abilities Immigrant Visa, as the institution's recognized achievements and affiliations demonstrate exceptional skill and impact within the academic community.

The evidence presented clearly demonstrates that Carnegie Mellon University qualifies for the EB-1 Extraordinary Abilities Immigrant Visa as an exceptional Quantum Physics Professor.

Should additional documentation or clarification be required, please do not hesitate to notify us. Thank you.

Sincerely,