

Cathleen S. **LEWIS**, PhD

Smithsonian Institution
National Air and Space Museum
Department of Space History
MRC311 PO Box 37012
Washington, DC 20013-7012
Phone: 202-633-2423
E-mail: LewisCS@si.edu
Mobile: 703-785-8859

EDUCATION:

George Washington University: PhD, May 2008. History.
Yale University: M.A., December 1983. Russian and East European Studies.
Yale University: B.A., May 1980. Russian and East European Studies.

EMPLOYMENT HISTORY:

Curator, Space History Division, National Air and Space Museum, Smithsonian Institution. April 1996-present. Curates International Space Programs, the Soviet and Russian components of *Space Race* exhibition at NASM and the NASM spacesuit collection. 1998-2007 chaired museum-wide Collections Committee, which oversees the acquisition of all new additions to the national collection of aviation and space artifacts. Served as archivist to the Council of the Smithsonian Congress of Scholars that represents the research community at the Smithsonian Institution. Participates as departmental, museum and institution representative on numerous committees and workshops devoted to the improvement of the representation of cultural diversity in museum programs, scholarship and exhibits. Act as liaison and advisor on joint museum and institutional projects that involve cooperation with representatives of the countries of the former USSR. Performed duties as curator in the development process for a new gallery, *Dream to Fly*, on the history of blacks in aviation and spaceflight. Completed planning document for the project.

Associate Curator, Department of Space History, National Air and Space Museum, Smithsonian Institution. October 1992-April 1996. Continued ongoing duties of previous positions at the Museum. Performed duties as chief curator in the development of a new gallery, *The Dream to Fly*, on the history of segregation in aviation and spaceflight. Acted as temporary curator of manned spaceflight through the Apollo program. Participated as departmental, museum and institution representative on numerous committees and workshops devoted to the improvement of the representation of cultural diversity in museum programs, scholarship and exhibits. Participated as subject matter curator (Russian and Soviet space) and scripter for the Department of Space History's exhibit on the history of the space race. Fielded and reviewed offers for donations, sale and loans of artifacts and archival materials from the Soviet space program for use in NASM exhibition on the history of the space race. Act as liaison and advisor on joint museum and institutional projects that involve cooperation with representatives of the countries of the former USSR.

Assistant Curator, Soviet and European Space Programs, National Air and Space Museum, Smithsonian Institution. April 1988-1992.

Historian, International Space Programs, National Air and Space Museum, Smithsonian Institution. April 1985-April 1988.

PUBLICATIONS:

In Press:

Cosmonaut: A Cultural History. Gainesville, Florida: University Press of Florida, EDP 2023.

In Progress:

Books

Between Mind and Space: The Spacesuit Gloves of the Smithsonian National Air and Space Museum Spacesuit Collection.

Cathleen Lewis and Lisa A. Young, *056: The History, Preservation and Exhibition of the Spacesuit that Neil Armstrong Wore on the Surface of the Moon*. Publisher TBD (Bloomsbury Press has expressed an interest). Publication to coincide with the opening of Destination Moon gallery (EDC July 2023. EDP December 2025).

Books:

Spaceflight: A Smithsonian Guide. Edited by Valerie Neal, Cathleen S. Lewis and Frank H. Winter. New York: Macmillan, 1995.

Air and Space History: An Annotated Bibliography. Edited by Cathleen S. Lewis and Dominick Pisano. New York: Garland, 1988.

Dissertation:

"The Red Stuff: A History of the Public and Material Culture of Early Human Spaceflight in the U.S.S.R." Ph. D. diss., History, George Washington University, 2008.

Articles:

"Space Spies in the Open: Military Space Stations and Heroic Cosmonauts in the Post-Apollo Period, 1971-77." In *Militarizing Outer Space: Astroculture, Dystopia and the Cold War*, ed. Alexander C.T. Geppert, et al. European Astroculture, vol. 3, 313-41. London: Palgrave Macmillan, 2021.

"Arnoldo Tamayo Mendez and Guion Bluford: The Last Cold War Race Battle." In *NASA and the Long Civil Rights Movement*, eds. Brian S. Odom and Stephen P. Waring, 145-166. Gainesville, Florida: University Press of Florida, 2019.

"Once and Future Technology at the Fair: The Rise, Fall and Unlikely Rebirth of VDNKh and the Buran Shuttle" in *Scientific Heritage at World Exhibitions and Beyond. The Long XX Century*, Marco Beretta, Elena Canadelli, Laura Ronzon, eds. SISP, 2019.

"Gloves: Manned Orbiting Laboratory (MOL) Military Hamilton, Version 7 (MH-7)." In *Tools: Extending Our Reach*, ed. Cara McCarty and Matilda McQuaid, 24-25. New York: Cooper Hewitt, Smithsonian Design Museum, 2014.

"Mark V Pressure Suit (Developmental)." In *Tools: Extending Our Reach*, ed. Cara McCarty and Matilda McQuaid, 124-25. New York: Cooper Hewitt, Smithsonian Design Museum, 2014.

"Collecting a Spacesuit in the 21st Century." *Collections: A Journal for Museum and Archives Professionals* 10, no. 4 (Fall 2014): 381-92.

"Neil Armstrong's A7-L Spacesuit." In *Milestones of Space: Eleven Iconic Objects from the Smithsonian National Air and Space Museum*, ed. Michael J. Neufeld, 78-91. Minneapolis: Zenith, 2014.

"What Really Happens When a Spacesuit Fails." *Quest: The History of Spaceflight Quarterly* 21, no. 2 (2014): 4-10.

"Muslims in Space: Observing Religious Rites in a New Environment." *Astropolitics: The International Journal of Space Politics & Policy* 11, no. 1-2 (2013): 108-15.

"From the Kitchen into Orbit: The Convergence of Human Spaceflight and Khrushchev's Nascent Consumerism." In *Into the Cosmos: Space Exploration and Soviet Culture*, ed. James T. Andrews and Asif F. Siddiqi, 213-39. Pittsburgh: University of Pittsburgh Press, 2011.

"From the Cradle to the Grave: Cosmonaut Nostalgia in Soviet and Post-Soviet Film." In *Remembering the Space Age: Proceedings of the 50th Anniversary Conference*, ed. Steven J. Dick, vols. 2008-4703. NASA SP, 253-70. Washington, D.C.: National Aeronautics and Space Administration. Office of External Relations, 2008.

- "The Birth of Soviet Space Museums: Creating the Earthbound Experience during the Golden Years of the Soviet Space Programme, 1957-68." In *Showcasing Space*, ed. Martin Collins and Douglas Millard. Artefacts Series. Studies in the History of Science and Technology. East Lansing, Michigan: Michigan State University Press, 2005.
- "16 January 1969: Soiuz 4 and 5 Dock in Space." In *The Book of Days 1989: An Encyclopedia of Resource Guides on Historical Figures and Events*. Ann Arbor, Michigan: Pierian Press, 1989.
- "How Good is Soviet Science?" Review. *Science, Books and Films* 24, no. 1 (September/October 1988): 52.
- "The Soviet Space Program and Glasnost." *USSR Technology Update* III, no. 16 (11 August 1988): 1-3.
- "2 November 1978: Soiuz 31 and Saliut 6." In *The Book of Days 1988: An Encyclopedia of Resource Guides on Historical Figures and Events*. Ann Arbor, Michigan: Pierian Press, 1988.
- "Kvant Astrophysics Module Described." *USSR Technology Update* II, no. 12 (4 November 1987): 1-3.
- "Soviets Initiate Mathematical Modeling Projects for Jupiter Probe." *USSR Technology Update* II, no. 11 (3 June 1987): 1-2.
- "Future Soviet Space Complex Described." *USSR Technology Update* II, no. 10 (20 May 1987): 1-2.
- Lewis, Cathleen S., and Linda Neuman Ezell. "Mission to Moscow: The Repair of the Apollo Soyuz Exhibit." In *National Air and Space Museum Research Report 1986*. Washington, D.C.: National Air and Space Museum, 1986.

Scholarly Papers Presented:

- "Overcoming the Cold War Paradigm" In Roundtable: Imagining, Limiting, Militarizing: Astroculture and the Future of Space History (Roundtable). At The Society for the History of Technology (SHOT) annual Conference, Ruth Oldenziel (chair), Alexander C.T. Geppert (organizer), November 20, 2021.
- "COVID-19, Black Lives Matter and the Dynamic Face of Space Ecology." At ARTEFACTS 2021: Responding to COVID-19. Presenting alongside Helmuth Tischler. Martin Collins was commentator. Sunday October 17, 2021.
- "Looking Back: Creating a Usable Past from Soviet Heroic Cosmonauts in Post-Soviet Russia Film." Wilson Center Kennan Institute panel on the 60th Anniversary of Yuri Gagarin's space flight. Tuesday, April 13 from 10:00am-11:30am EDT via Zoom.
- "The Cost of Trying to Run Three Human Spaceflight Programs at Once: The USSR Completing with the US during the Cold War." Invited lecture at Mary Washington University undergraduate History seminar, April 20, 2021.
- "Access is Not Enough: Finding the Lost Opportunities to Invite, Welcome and Connect with Minorities at the Smithsonian Air and Space Museum." In Challenges in Access, chair Emily Gann. Artefacts XXV. Virtual (Hosted by Ingenium Canada), 6 October 2020.
- "The Changing Meaning of the National Air and Space Museum's Spacesuit Collection." In Building and (Re)Contextualizing Collections, chair Allison Boyle. Artefacts XXIII: Relevance of Collections. Adler Planetarium, Chicago, Illinois, 15 October 2019.
- "From Fashioning Apollo to designing Suits for Mars." 28 February 2019 talk at Framingham State University in Massachusetts (an SI Affiliate) in their "Moonlanding in Context" series along with Dava Newman, MIT.
- "From Science Fiction to Science Fact and Back Again: The Curious Long History of the Spacesuit in Fantasy and Flight." The inaugural Fashion, Costume, and Visual Cultures conference in Zagreb, 17-19th July 2018.
- "The Future of Spacesuit Gloves: Gestures, Multinational Crews and Engineers." In Technical Gesture and Learning Practices. Artefacts XXII. Paris, France, 9 October, 2017.
- "From Film to Children's Books: Pavel Klushantsev's Strange Path in the Public Education of

- Spaceflight," in *The Soviet Aesthetics of Flight in Space Culture and Aeroflot Advertising*, chair Donald J. Raleigh, Matthew J. Payne conducted at the Southern Conference on Slavic Studies, Alexandria, Virginia, 8 April 2017.
- "Arnaldo Tamayo Mendez and Guion Bluford: The Last Cold War Race Battle." In *Fourth Round of Papers*, chair Dr. Michael V. Paulauskas. NASA in the 'Long' Civil Rights Movement Conference. Huntsville, Alabama, 16 March 2017.
- "Religious. Faith, Secular Culture and Technology. Converge: Cosmonaut Rituals at Baikonur." In *The Embodiment of Creative Memory*, chair Susan McCaffrey. Southern Conference on Slavic Studies. Tuscaloosa, Alabama, 19 March 2016.
- "Once and Future Technology at the Fair: The Rise, Fall and Unlikely Rebirth of VDNKh and the Buran Shuttle." Paper presented at the *Revealing the Cosmonaut*. London, UK: Science Museum London, 5 February 2016.
- "Baikonur, Tyuratam and Longue Durée History." In *NASM Works in Progress*. Washington, D.C., 11 August, 2015.
- "Patents and the Spacesuit Collection at the Smithsonian Institution National Air and Space Museum." Paper presented at an Invited Talk to the USPTO Patent and Trademark Examiners. United States Patent and Trademark Office, Alexandria, Virginia, 30 June, 2015.
- "Pavel Klushantsev and His Attempt to Resuscitate Russian Science Fiction Film after Stalin." In *Science Fiction and Fantasy* (Leitch and, chair Leitch and Ginn. Popular Culture Association/American Culture Association. New Orleans, Louisiana, 1 April, 2015.
- "Space Spies in the Open: Military Space: Stations and Heroic Cosmonauts After the Moon Race Was Lost, 1971-1977." Paper presented at the *Embattled Heavens: The Militarization of Space in Science, Fiction, and Politics*. Free University of Berlin, April 10-12, 2014.
- "Better History through Chemistry: Recovering the History of Spacesuits by Using Modern Conservation Techniques." In Session 8, chair Bernard Finn. *Artefacts XVIII Modern Chemistry and Material Science: Artefacts Tell the Story*. Chemical Heritage Foundation, Philadelphia, PA, October 8, 2013.
- "Curating the Red Stuff." seminar presented at the National Museum of American History Tuesday Colloquium. Washington, D.C., 11 December, 2012.
- "Okudzhava and Scott-Heron: The Social Critique Soundtrack of the Space Race." In *Sounds of Space in Popular Music*, chair Klaus Nathaus. *Sounds of Space. The Future of the Stars: European Astroculture and Extraterrestrial Life in the Twentieth Century*. Freie Universitat Berlin, 1 December, 2012.
- "Anastylosis or No? Collecting a Spacesuit in the 21st Century." In *Conceptualizing, Collecting and Presenting Recent Science and Technology*, chair Bryan Dewalt. *Artefacts XVI*. Leiden, Netherlands, 26 September, 2011.
- "Spaceflight, Nostalgia and Film." Paper presented at the NASM Works in Progress Series. Washington, D.C., 10 May 2011.
- "Spaceflight and Film: Forming a Russian Assessment of the First Cosmonauts." In *The Evolution of Nationalism in Russia: From Discourse to Action*, chair Mark N. Katz. The 49th Annual Meeting of the Southern Conference on Slavic Studies. Alexandria, Virginia, 9 April, 2011.
- "How We Remember Yuri Gagarin and Why." In *Space is the Place: The Cosmos and Soviet Culture*, chair James Andrews. Association for Slavic, East European, and Eurasian Studies Annual Meeting. Los Angeles, California, 20 November, 2010.
- "The Propeller, the Convolute, and the Bladder: How Technology Changed Corporate Identities in the Space Industry." In *A Cosmic Tug of War: Social Construction and Technological Determinism in Space Hardware Design*, chair Amy Foster. Society for the History of Technology Annual Meeting. Tacoma, Washington, 2 October, 2010.
- "Visualizing Spaceflight: The Films of Pavel Klushantsev." In *Representations of Soviet Spaceflight from the 1950s to the 1970s*. Eva Mauer, University of Freiburg conducted at the *Cosmic Enthusiasm: The Cultural Impact of Space Exploration on the Soviet Union*

- and Eastern Europe since the 1950s. Basel, Switzerland: University of Basel. Historisches Seminar, 22 January 2009.
- "Pavel Klushantsev and His Soviet Space Age Films." In *NASM Works in Progress*. Washington, D.C., 13 May 2008.
- "Orbiting the Earth After Spaceflight: Soviet Cosmonauts and the Post-Flight Peace Tours." In *Soviet Cultural Ambassadors: Film Directors, Soccer Players and Cosmonauts*, chair Mikhail Avrekh. Peacock, Margaret Elizabeth conducted at the American Association for the Advancement of Slavic Studies National Convention. New Orleans, Louisiana, 17 November 2007.
- "Cosmonaut Nostalgia in Film." In Remembrance and Cultural Representation of the Spaceage. Remembering the Spaceage: Conference on the 50th Anniversary of The Space Age. American Association for the Advancement of Science (AAAS) Auditorium, Washington, DC: NASA and NASM Division of Space History, 23 October 2007.
- "Keeping the Golden Age Golden: The Survival of the Spaceflight Legacy through the End of the USSR" presented in session: "Ascribed Identity, Soviet Mythology, and the Politics of Space Culture, 1917-Present" at the American Association for the Advancement of Slavic Studies National Convention, Washington, D.C., November 2006.
- "Making Space a Hobby: Trading and Collecting Soviet Space Znachki for Fifty Years" Paper presented in session: "Technology and Play" at the Society for the History of Technology Annual Meeting in Los Vegas, Nevada, October 2006.
- "World's Fairs in the Space Age : A Tale of Two Spacecraft" Presented at the Hagley Museum and Library Lecture series "Centuries of Progress: American World's Fairs, 1853 to 1982" Wilmington Delaware, May 2005.
- "First in Space and Last in Openness: What Does the Death of Yuri Gagarin Tell Us about Mature Socialism?" Paper presented in session: "Mirror Image Twins? Constructing Spaceflight in the Soviet Union and the United States" at the annual meeting of the American Historical Association in Washington, D.C., January 2004.
- "The Birth of the Soviet Space Museums: Creating the Earth-Bound Experience of Spaceflight." Paper presented in session: "Post-Stalinist Culture" at annual meeting of the American Association for the Advancement of Slavic Studies in Toronto, Canada, November 2003.
- "How Technology Fails without Proper Supervision: The Deaths of Vladimir Komarov and Yuri Gagarin in the Absence of Korolev-Khrushchev Space Policy." Paper presented in session: "Aerospace Failures and Policy Challenges: What Happens When Beloved Hardware Breaks?" at the annual meeting of the Society for the History of Technology in Atlanta, Georgia, October 2003.
- "Deciding What You Can Collect and What You Must Let Go: All the players in the Process" in Collections Management: What do you want? What do you Keep? At the 2002 Mutual Concerns of Air and Space Museums conference, sponsored by the American Association of Museums and the Smithsonian National Air and Space Museum, Washington, D.C., March 2002.
- "The Social and Cultural Influences of the First Cosmonauts." Paper presented at the 8th International Symposium on the History of Aviation and Spaceflight honoring the 40th anniversary of the first Human spaceflight, organized by the Institute for the History of Science and Technology, Russian Academy of Sciences. Moscow, Russia, June 2001.
- "Re-Creation of the Soviet Man: The Hagiography of the Hero Cosmonauts of the Soviet Union." In Higher, Faster, and Farther: Soviet Aerospace Culture. American Society for the Advancement of Slavic Studies, November 1999.
- "Preservation by Happenstance: How off-the-Shelf Technology May be Preserving Early Soviet Spacesuits." In Preserving the Lifeboats: Long Term Preservation Issues of NASM's Spacesuit Collection. Poster Session conducted at the Society for the History of Technology Annual Meeting. Baltimore, Maryland, October 1998.
- "Sputnik as Symbol and Artifact: The Origins of Khrushchev's Space Race Strategy." Paper

- presented at "Reconsidering Sputnik": NASA Conference on the 40th Anniversary of the Launch of Sputnik. Washington, D.C., October 1997.
- "Divided Skies: Reinterpreting the Black Experience in Aviation." Paper presented at Scitrek in Atlanta, Georgia as part of a National Endowment for the Humanities-funded Georgia Humanities Center project on the history of blacks and technology. Atlanta, Georgia, April 1994.
- "Who Are Guy Bluford and Sally Ride and Why Are They Standing in the National Air and Space Museum? Issues of Race and Gender and Exhibiting History at the World's Most Popular Museum." Paper presented at the Conference on Women in Science at Johns Hopkins University. Baltimore, Maryland, November 1991.
- "The Living and the Dead: The Cosmonaut and Soviet Mythology Failure." Paper presented at the International Conference of Aerospace Historians. Washington, D.C., April 1990.
- "The Low Tech Advantage: Soviet Space Research, Moving from Spectaculars to Program in the Life Sciences." In *The Drive for Modernization*. American Association for the Advancement of Slavic Studies annual meeting. Honolulu, Hawaii, November 1988.

Book Reviews

- Review of *The Cosmonaut Who Couldn't Stop Smiling: The Life and Legend of Yuri Gagarin*, by Andrew L. Jenks (Dekalb: Northern Illinois University Press, 2012). *Russian Review* 72, no. 1 (January 2013): 170-71.
- Review of *The Spacesuit Film: A History, 1918-1969*, by Gary Westfahl, Macfarland, 2012. *Quest: The History of Spaceflight Quarterly* 19, no. 4 (2012): 61-62.
- Review of *Emerging Space Powers: The New Space Programs of Asia, the Middle East and South America*, by Brian Harvey, Henk Smid and Theo Pirard, Praxis Publishing, 2010. *Quest: The History of Spaceflight Quarterly* 19, no. 2 (2012): 60-61.
- Review of *Red Cosmos. K. E. Tsiolkovskii, Grandfather of Soviet Rocketry*, by James T. Andrews (College Station, Texas: Texas A& M University Press, 2009). *Quest: The History of Spaceflight Quarterly* 18, no. 1 (2011): 58.
- Review of *Heavenly Ambitions: America's Quest to Dominate Space*, by Joan Johnson-Freese (State College, Pennsylvania: University of Pennsylvania Press, 2009). *Quest: The History of Spaceflight Quarterly* 17, no. 2 (2010): 62-63.
- Review of *Starman: The Truth Behind the Legend of Yuri Gagarin*, by Jamie Doran and Piers Bizony (New York: Walker and Company, 2011). *Quest: The History of Spaceflight* 18, no. 4 (2011): 61-62.

Blog Posts

- "Revisiting the Soviet Lunar Sample Return Missions." AirSpaceStories, December 16, 2020. <<https://airandspace.si.edu/stories/editorial/revisiting-soviet-lunar-sample-return-missions>>
- "SpaceX Dragon Launch and Entry Suits." AirSpaceStories, May 27, 2020. <<https://airandspace.si.edu/stories/editorial/spacex-dragon-launch-and-entry-suits>>
- "Sputnik and the Space Age at 60." In Air and Space Stories. 3 October 2017. 4 October 2017 <<https://airandspace.si.edu/stories/editorial/sputnik-and-space-age-60>>.
- "The First Mixed-Gendered Cosmonaut Candidates." In Air and Space Stories. 30 March 2017. Smithsonian National Air and Space Museum. 4 April 2017 <<<https://airandspace.si.edu/stories/editorial/first-mixed-gendered-cosmonaut-candidates>>>.
- "Studying Long-Duration Human Spaceflight." In Air and Space Stories. 24 January 2017. Smithsonian National Air and Space Museum. 24 January 2017 <<https://airandspace.si.edu/stories/editorial/studying-long-duration-human-spaceflight>>.
- "Fifty Years of the Russian Soyuz Spacecraft." In AirSpaceStories. 1 December 2016. 2 December 2016 <https://airandspace.si.edu/stories/editorial/fifty-years-russian-soyuz-spacecraft>.
- "Discovering Alan Eustace's Asymmetrical Gloves." In AirSpaceBlog: Behind the Scenes at the National Air and Space Museum. 20 January 2016. 12 March 2016

- <https://airandspace.si.edu/stories/editorial/discovering-alan-eustace%E2%80%99s-asymmetrical-gloves>.
- "Remembering Frank E. Petersen Jr." In AirSpaceBlog: Behind the Scenes at the National Air and Space Museum. 25 September 2015. 9 October 2015
<https://airandspace.si.edu/stories/editorial/remembering-frank-e-petersen-jr>.
- "Zvezda Service Module Celebrates 15 Years in Orbit." In AirSpaceBlog: Behind the Scenes at the National Air and Space Museum. 19 August 2015. Smithsonian National Air and Space Museum. 19 August 2015 <https://airandspace.si.edu/stories/editorial/zvezda-service-module-celebrates-15-years-orbit>.
- "What Does Alan Shepard's Mercury Suit Have to Do with Neil Armstrong's Apollo 11 Suit?" In AirSpaceBlog: Behind the Scenes at the National Air and Space Museum. 12 August 2015. Smithsonian National Air and Space Museum. 12 August, 2015
<https://airandspace.si.edu/stories/editorial/what-does-alan-shepard%E2%80%99s-mercury-suit-have-do-neil-armstrong%E2%80%99s-apollo-11-suit>.
- "How Do You Put on an Apollo Spacesuit?" In AirSpaceBlog: Behind the Scenes at the National Air and Space Museum. 7 August 2015. Smithsonian National Air and Space Museum. 12 August 2015 <https://airandspace.si.edu/stories/editorial/how-do-you-put-apollo-spacesuit>.
- "Reboot the Suit: Neil Armstrong's Spacesuit and Kickstarter." In AirSpaceBlog: Behind the Scenes at the National Air and Space Museum. 20 July 2015. Smithsonian National Air and Space Museum. 12 August 2015
<https://airandspace.si.edu/stories/editorial/armstrong-spacesuit-and-kickstarter>.
- "How Two Cold War Spacewalks Came to a Common Technological Solution." In AirSpaceBlog: Behind the Scenes at the National Air and Space Museum. 18 March 2015. 18 March 2015 <https://airandspace.si.edu/stories/editorial/how-two-cold-war-spacewalks-came-common-technological-solution>.
- "Happy Birthday to the World's First Woman in Space." AIRSPACE BLOG: Behind the Scenes at the National Air and Space Museum. 6 March 2015. Accessed March 11, 2015.
<https://airandspace.si.edu/stories/editorial/happy-birthday-worlds-first-woman-space>
- "Vance Marchbanks' Contribution to Public Health Policy on Sickle Cell Disease." In AirSpaceBlog: Behind the Scenes at the National Air and Space Museum. 27 February 2015. 02 March 2015 <https://airandspace.si.edu/stories/editorial/vance-marchbanks-contribution-public-health-policy-sickle-cell-disease>.
- "Hands and Gloves in Space." 8 January 2015. Smithsonian National Air and Space Museum. 12 January 2015 <https://airandspace.si.edu/stories/editorial/hands-and-gloves-space>.
- "Why Interstellar Belongs in the Pantheon of the Best 'Realistic' Science Fiction Films." In Smithsonian.Com. 6 November 2014. 13 January 2015
<<http://www.smithsonianmag.com/smithsonian-institution/why-interstellar-belongs-pantheon-best-realistic-science-fiction-films-180953261/?no-ist>>.

EXHIBITS:

"Living in the Space Age" (Lead curator, EDC 2025)
"Destination Moon" (Team member, EOD Winter 2022)
"Neil Armstrong's Apollo 11 Spacesuit (July 2019)
"Alan Eustace's Stratospheric Suit" (December 2016)
"Neil Armstrong's Apollo 11 Extravehicular Visor and Gloves (July 2016)
"The 50th Anniversary of Human Spaceflight" (Co-curator March 2011)
"How Do They Go to the Bathroom in Space?" (May 2004)
"The Dream to Fly: The Black Experience in Aviation" (Lead curator, project cancelled)
"Space Race" (Team member, May 1997)
"Beyond the Moon Race: The Soyuz Spacecraft" (December 1993)
"Soviet Lunar and Planetary Exploration" (December 1993)
"The Vega Landing and Orbiting Bus" (December 1993)

RESEARCH AND MUSEUM PROJECTS:

Collaborated with members of the museum's Design, Education, Collections, Communications and Advancement teams to create engaging exhibits over a range of spaceflight topics. Current exhibit project: "Living in the Space Age" (EDC 2025).

Initiated a collaborative intern program to recruit history students at Morgan State University to internships at the museum.

Conducted Video History interviews with early members of Institute for Bio-Medical Problems in Moscow. The Institute has been responsible for the design and execution of human factors and life sciences research in the Soviet space program (December 1989). Transcripts are currently available at the Smithsonian Archives.

Research Collection on Blacks in Aviation--Currently designing and initiating a major research effort to augment the National Collection with artifacts, personal memorabilia, photographs and oral history interviews. This collection will establish the National Air and Space Museum as the center for research on the history of blacks in aviation and spaceflight.

Member, Equity Assessment Committee. The EAC was established at NASM as part of a pilot project funded by the National Science Foundation through the American Association for the Advancement of Science and the Association of Science and Technology Centers to promote diversity and equity in science and technology centers. The EAC activities included: the design, execution and analysis of a museum-wide survey on attitudes about diversity; the formation of implementation groups to make recommendation for changes in response to the staff survey; staff diversity training and the formalization of partnership with four community and science based organizations.

MAJOR ACCESSIONS AND COLLECTIONS ACTIVITIES:

Collected suites of lower body negative pressure equipment dating from the Skylab and early Shuttle eras obtained from NASA JSC for Astrobiology collection. (2013)

Collected Scrap material from NASA Space Suit Assembly Extravehicular Mobility Unit (SSA EMU) from ILC Dover (2012).

Examples of Russian space station and ferry capsule waste management technology (toilets, 2000).

Accession of artifacts and scale models relating to the Soviet space program: Soviet Proton launch vehicle (1988), Energiia and Buran Energiia models (1994), Aleksei Leonov and German Titov's dress uniforms (1994), Norman Thagard's Sokol-KV-2 spacesuit (1997), and Shannon Lucid's Penguin

Body-loading suit (1997).

Negotiated loan and ultimate acquisition of Vega Landing and Orbiting Bus with numerous Soviet agencies to NASM over more than four years (1987-1996).

Negotiated agreements for exchanges between NASM and Soviet Museums and Institutes (Tsiolkovsky Museum, Institute for the History of Science and Technology and Institute for Space Research, June-July 1989.)

Research visits to Soviet technology and spaceflight museums to document the existence of artifacts (Tsiolkovsky Museum, Museum of the Institute for Biomedical Problems, Polytechnic Museum, June-July and December 1989).

LANGUAGES:

Russian--reading and translation: good, conversation: good.

French--reading and translation: good, conversation: fair.

German—currently under study

PROFESSIONAL SOCIETIES

Society for the History of Technology

Southern Conference on Slavic Studies

National Council on Public History

Association for Slavic, East European and Eurasian Studies

Association of Black Women Historians

PERSONAL:

born 3/17/1958

U.S. citizen