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Feature Story

Meet the NIBS Senior Leadership Team

As we start the new year, we wanted to share some of the great changes that took place in the final quarter of 2022.

Among the highlights: The National Institute of Building Sciences Board of Directors finalized a new strategic plan with four major goal themes. These goals include climate adaptation, mitigation, and resiliency; transformational building sciences and technologies; industry development and diversification; and visibility and recognition. We also brought in a new CEO and some critical members to the senior leadership team, and NIBS hosted its first in-person Building Innovation meeting in years.

So let's start with our people at the top. We asked them some questions about what's on their 2023 radar, and here's what they had to say.



AC Powell, President & CEO

Amir Clayton "AC" Powell, JD, CPS, joined NIBS in September 2022, after serving nearly five years as the Executive Director & CEO of the Association for Facilities Engineering. Prior to AFE, Powell was an independent management consultant, providing operations and facilities management services to non-profit organizations and property management firms.

Powell began his professional journey as a satellite TV salesman before transitioning into insurance, serving as an adjuster with Allstate Insurance Company in 1996. Settling property and casualty claims helped Powell become a skilled negotiator, a skill that paid dividends when he transitioned from insurance into public policy for one of Central Ohio's oldest civil rights organizations. After moving to Washington, Powell joined the DC Chamber of Commerce, serving as Director of the Business Resource Center.

Powell has a deep background in education and strives to connect with people across cultural, generational, political and socio-economic barriers. We're three months in to your CEO-ship. How are we doing?

I am impressed with how well we, as a staff, have adapted to the new landscape, such as it is. There is a lot of collaboration happening behind the scenes. My hope is that our folks continue to feel empowered to truly take ownership of the work they do so that they bring enough of themselves to the table to help propel us to the next level. There is some really exciting stuff happening at NIBS, and it is phenomenal to me that I get to play a role in where we are headed.

 What is on your radar, in terms of NIBS direction for 2023?

Challenges surrounding climate and resiliency become top of mind for me. JQ, through his Engineering Department and the MMC, has been working on a framework for an online portal that will allow users to find funding and technical assistance for much-needed resiliency projects in their local communities. That is exactly the type of forward-thinking initiative that should be the focus of our work, as we begin to operationalize our new strategic plan. Additionally, we need to reach a broader audience. More people need to know not only about the great work we are doing but also why they should care about the transformations occurring throughout the built environment.

What's your favorite part about coming to work?

That is like asking which one among my three girls is my favorite. I really enjoy the work. I love solving puzzles. NIBS was created to solve the puzzle and make the larger picture clear for both the public and private sectors of the United States economy, as their operations relate to the built environment. We work to reveal the beautiful mosaic representing balance between people, building,



and infrastructure. Not everyone can see the image taking shape. And, that is why NIBS exists. We facilitate the process that brings the "big picture" into focus. Doing that job is what motivates me to come into work every day.



Rebecca Liko, Chief Financial Officer

Rebecca Liko recently was promoted to Chief Financial Officer with NIBS. Liko has been with the organization since January 2020 and leads the Accounting, Finance, and Contract teams.

Her focus has been on the digitalization of NIBS by developing a strategy and process that goes beyond the implementation of new technology. These master plan developments improve the core business model of NIBS and the evolution of work procedures within the organization.

Prior to joining NIBS, Liko worked in government contracting and in the non-profit sector for more than 25 years with a focus on finance.

• How is NIBS doing, in terms of finances?

Our revenue is growing as we streamline expenses. We're financially in a strong position that allows us to invest back in the mission of NIBS.

• What stays top of mind, in your role as CFO?

I am constantly looking at how to be more efficient and focus on growth and strategy. I also forecast cash needs, so when the CEO says he wants to do a strategic investment as part of the mission, I want to make sure I have the financial resources to get us from point A to point B.

What does your average day look like?

There's no average day. Each month and quarter are cyclical. Also, in those quarters are board meeting quarters and the annual report quarter. There's a budget season, audit season, reforecast season, and year-end season. What's most rewarding is to be a peer among this group of intellects and be mentored by a phenomenal leader.



Bob Payn, Chief Information Officer

Bob Payn is a service-oriented federal government consultant and association professional in the built environment with 26 years of experience in strategic business development, agency-industry coalition building, results-driven project management, online information services, data analytics, comprehensive IT infrastructure, and facility security protocols.

Payn is a crucial part of the NIBS team, serving 24 years with the organization. He recently was promoted to CIO and Facility Security Officer (FSO) and is responsible for the organization's tactical technology planning, network/cloud environments, IT policy implementation, website management, client/constituency engagement on technology solutions, and facility clearance program.

For 20 years, Payn has been the developer of the WBDG-Whole Building Design Guide, an initiative supported by federal agencies, industry organizations, and subject matter experts as a key portal to 'whole building' technology and guidance.

What stays top of mind, in your role as CIO?

NIBS is changing and growing in many ways as is the organization's need for technology to accomplish its mission. My team is working to provide more advanced technology solutions to staff, members, and constituents to reach their strategic goals, while also developing stronger cybersecurity measures to protect our infrastructure and data.

What's your favorite part about working with this team?

We currently have an all-around dedicated, hard-working staff that brings a depth of professional expertise to the organization. I see new innovative approaches in every department, and there is a strong sense of collaboration to support each other. NIBS has become a true integrated team, and I feel lucky to be part of it.

What's on your radar for 2023?

Cybersecurity is a primary focus for 2023 and taking the next step in integrating our organization-wide systems. We're procuring a new CRM, developing new cloud-based processes, and updating our entire web environment. It's going to be an exciting year, and we look forward to rolling out the technologies to our entire user base.



Robert Smith, Senior Vice President, Partner Engagement

Robert Smith, CMP Fellow, CMM, DES recently joined the National Institute of Building Sciences. Smith has more than 20 years of meetings industry experience with associations and corporate organizations, designing and executing all facets of meetings, including facilitating curriculum, managing production, overseeing exhibits, and designing of content.

Smith successfully has executed meetings and events from small executive board meetings to 18,000-person citywide annual meetings. His tenured experience includes providing detailed cost analysis and project designs for large commercial real estate projects, and meetings and events for the ambulatory surgery, federal credit union, federal technology acquisition community, and educational research industries

Over the last 10 years, Smith has mentored students in the hospitality field at Kansas State University and designed initiatives for the development of emerging leaders for

the Professional Convention Management Association (PCMA) and Meeting Planners International (MPI).

 What is partner engagement, and why is this critical to NIBS' growth?

I see partner engagement as an opportunity for stakeholders to come together around a common goal. This engagement can take many forms, including collaborative research, the sharing of information, consulting, partnership, and sponsorship. At the center is communication that leads to meaningful and sustainable outcomes that are measurable, tangible, feasible, lasting, and relevant to the stakeholder's community.

For NIBS, there is currently an opportunity to grow engagement with our industry and government partners and add partners in both sectors. This growth will happen in the overall organizational and council levels.

• What's on your radar for 2023?

On my radar for 2023 is to continue to get up to speed on all things NIBS-related, look for growth opportunities within and outside of the organization, support our robust series of web meetings and webinars, and our current place-based events: the Women's Leadership Forum and Building Innovation.

The Women's Leadership Forum is designed to help empower women in the workplace. Attendees will be able to immerse themselves in this solutions-oriented, day-and-a-half event that offers opportunities to connect, network, learn crucial new skills, and discuss issues and obstacles for women in the workplace today. This event also will focus on how women can move into the C-Suite across government and industry.

Building Innovation was by all accounts a huge success. The plan for 2023 is to build on that success with the goals



of increasing exhibitor, partner, and sponsor engagement with the event and increase the number of attendees.

What's the best part about getting to know this team?

Everyone has been so welcoming and generous with their time, since I arrived at NIBS. I have greatly appreciated their willingness to provide background on different projects and discuss new opportunities for growth. The entire staff is invested in the success of the organization, and their commitment to excellence has been truly inspiring. I have greatly appreciated staff's patience with the new guy.



Roark Redwood, Senior Vice President, Technical and Government Solutions

Roark Redwood joined NIBS at the end of September. Redwood is an architect with 24 years of experience, delivering federal, cultural, leisure and entertainment, higher education, mixed-use, aviation, industrial, commercial, and residential projects.

He is an experienced leader of diverse teams of professionals for a variety of clients and project types, complexities, budgets, and delivery methods. From a new Universal Studios theme park in Beijing, China worth more than \$3 billion to a U.S. Embassy in Burkina Faso, Africa, to IDIQ contracts for the Architect of the Capitol, Smithsonian Institution, National Archives and Records Administration, and U.S. Army Corps of Engineers, Redwood excels at leading complex, high-risk, and high-profile endeavors.

Redwood actively volunteers, including as a Director on the American Institute of Architects Washington, DC Chapter Board of Directors, as the Society of American Military Engineers Architecture Community of Interest Chair for Professional Education Programs, and serving on National Council of Architectural Registration Boards committees.

• How did you come to NIBS?

Irecently joined NIBS after decades of leading projects and working with people from around the globe to positively transform the built environment. Over the course of my career, I have run my own business several times and worked for companies of all sizes and structures, including the largest global AEC firm AECOM, which at one time had 100,000 employees. Smart, sustainable, and resilient consultation, design, and construction has always been a part of everything I have worked on or championed. After years of making an impact one project or building at a time, I joined NIBS to try and positively impact the built environment on as large a scale as possible through NIBS' significant work on policy, standards, codes, and building technology.

 What's been the best part of getting to know and working with the technical and government solutions team?



Experiencing the passion and seeing the immense knowledge and expertise of each individual team member has been the best part. Every person shares NIBS' values and believes in the organization's core mission, and each individual is very knowledgeable in their area of expertise. Everyone is committed and works tirelessly and has such enthusiasm and positivity.

What's on your radar for 2023?

I see 2023 as an opportunity for the Technical and Government Solutions group to build on the great work they are doing, i.e.:

 To bring innovative solutions currently provided to a larger group of federal agencies as well expand on

- these services thereby positively impacting more of the built environment.
- Develop and introduce new programs that impact lives, like our TurboGrants initiative that looks to make money easily accessible from city, county, state, and federal levels and readily available to all who need it for natural disaster mitigation and recovery via an easy-to-understand, web-based system. This product could be used by the general public, government, insurers, and the like.
- Promote diversity, equity, and inclusion through key staff hires, new memberships and NIBS council involvement, student outreach programs, and increased educational opportunities.



Our Year in Numbers

COVERAGE

TOP STORIES

News Coverage



News stories featuring



2.02 Billion

Total combined readership of 2022 news stories



3860

Total estimated social shares of NIBS stories

Social Media Coverage



102,228Total 2022 Twitter impressions



+40

Followership growth from January 2022



+65%

Followership growth from January 2022

Top 6 Stories

1

Yahoo! News

456 million monthly visits; 2.58 million estimated coverage views

2

Yahoo Finance

265 million monthly visits; 248,000 estimated coverage views

3

The Washington Post

218 million monthly visits; 155,000 estimated coverage views

4

The Washington Post

218 million monthly visits; 140,000 estimated coverage views

5

ne Guardian

90.2 million monthly visits; 284,000 estimated coverage views

6

IBC News

82.5 million monthly visits; 68,300 estimated coverage views



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Infrastructure 2022

Infrastructure 2022: Strengthening Infrastructure: Mitigating the Climate Crisis

On December 6, 2022, NIBS hosted the final session of the four-part Infrastructure 2022 series, which was sponsored by Procore Technologies. The webinar highlighted disaster preparation projects to address worsening natural disasters.

The Infrastructure Investment and Jobs Act (IIJA) is the largest-ever federal investment in climate change. IIJA earmarked \$8 billion for wildfire management, \$6 billion for drought management, \$8.3 billion for water storage and sanitation, and \$12.5 billion for flood mitigation. Funds are being filtered through the U.S. Environmental Protection Agency, Federal Emergency Management Agency, U.S. Army Corps of Engineers, and U.S. Department of the Interior to state and local governments.

Our expert panel included Gerilee W. Bennett, Acting Director, Hazard Mitigation Assistance, Federal Emergency

Management Agency; Jay Harris, Acting Director, National Earthquake Hazards Reduction Program Office, National Institute of Standards and Technology; and Stephanie Santell, Senior Climate Advisor, Office of Policy, Office of the Administrator, U.S. Environmental Protection Agency. The session was moderated by Dr. Jiqiu Yuan, Vice President of Engineering with NIBS.

The panel discussed community resilience, the role infrastructure plays, challenges and opportunities, and perspectives from researchers, practitioners, federal programs, and policymakers.

A Historic Opportunity

Stephanie Santell, Senior Climate Advisor, Office of Policy, Office of the Administrator, U.S. Environmental Protection Agency, said the Bipartisan Infrastructure Law (BIL) represents the largest appropriation that EPA has ever received.

"With the significant influx of BIL funds, it is imperative that EPA invest in infrastructure projects that can withstand the effects of climate change for decades to come," she said.

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Get to Know Feature



Get to Know Anne Ellis, Chair, NIBS Board of Directors

Anne M. Ellis, P.E., Hon.M.ACI, F.ASCE, NAC is a recognized structural engineer, industry trailblazer, and champion of innovation to improve our built environment. Her career extends over four decades, six continents, and numerous boundary-spanning corporate roles enabling dynamic growth and innovation in technology, business, and operations.

A trusted advisor to business and geopolitical leaders, Ellis serves as non-executive director on the boards of Alpha Corporation and Somero Enterprises, Inc. and as an advisor to the leadership of GEI Consultants, Inc. and CarbonBuilt. She is a tireless industry volunteer and has served in many high-profile positions in the building industry, including first woman to serve as chair of the NIBS Board of Directors, president of the American Concrete

Institute, and appointee to the American Society of Civil Engineers Industry Leaders Council. By appointment of five different U.S. cabinet secretaries, Ellis served on federal advisory committees, addressing energy and trade policy. In 2019, she was inducted into the National Academy of Construction, and in 2022, she received the Construction Industry Institute Carroll H. Dunn Award of Excellence.

We asked her a few questions about her work with the built environment.

 What steered you in the direction of professional engineering?

Three inspiring and enthusiastic engineers — my church youth group advisor and two professors at my alma mater Virginia Tech - who showed me how to capitalize on my love of math and "see" opportunities new to me and very different than anything I'd previously considered. This speaks to the power of champions and mentors.



 What has been your favorite part of serving as Board Chair of NIBS?

The people! The Board directors are individually and collectively inspiring. NIBS uniquely convenes the many and diverse voices across our industry: owners, designers, builders, regulators, researchers, academics, and more. The Board is a microcosm of our industry. The perspectives shared at the Board level on any topic are equally diverse, and the knowledge shared is powerful.

 How has the built environment changed over the course of your career?

At the beginning of my career, we were focused on quality and life safety. Today, we strive to achieve so much more: low impact, resiliency, wellness, productivity, equity, and much more. And we do so with powerful advanced technology, energy alternatives and a diversifying workforce.

• What's on your radar for 2023 – in work and in life?

So much of what we design and build is informed by knowledge, capabilities and practices of the early and



mid-20th century. We have advanced so far beyond. The IIJA, IRA, and executive orders provide the catalyst for a new framework to which we design, build, and operate. To transform to carbon-free electricity, zero-emission vehicles, net-zero emissions building portfolios and net-zero emissions Federal procurement, our regulatory guidance and procurement policies will need to be modernized to reflect these new goals. We will begin the hard work needed to transform practice. If you see desire better ways, now is the time to engage!



Columns



In Memory of Casey Martin, 10/22/1969 - 12/22/2022

It is with deep regret and sorrow that we begin this new year with the loss of an incredible partner and NIBS champion, Casey Martin, PhD. Our thoughts are with the Martin family, during this very sad time.





The NIBS team attended the 2022 IIBEC/AEI Building Enclosure Symposium in November. Pictured, from left: Building Enclosure Council (BEC) Wisconsin Chair Brian Stroik, NIBS Vice President of Technical Solutions Stephanie Stubbs, NIBS Director of Governance and Special Programs Jennifer Hitzke, and NIBS Senior Vice President of Technical and Government Solutions Roark Redwood

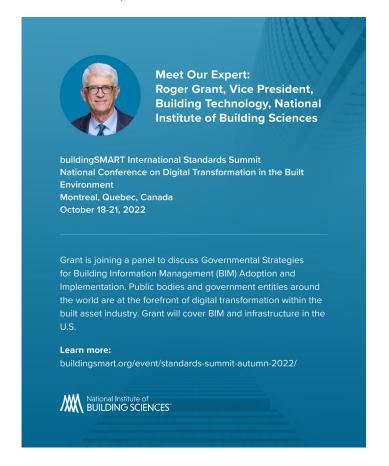


NIBS was proud to be a part of Energy Exchange 2022! EE provides a place to network with energy and water professionals, leading to the development and implementation of solutions. Pictured, from left: NIBS Director of Technical Solutions Kyle Barry and NIBS Chief Information Officer Bob Payn.



NIBS is a U.S. Department of Energy Better Climate Challenge Ally!

NIBS leadership met last month with representatives of the U.S. Department of Energy regarding allyship and our commitment to decarbonization. NIBS commits to working together to reduce greenhouse gas emissions by at least 50% within 10 years across as much of built environment as possible. Learn more.



Presenting BIM

NIBS Vice President of Building Technology Roger Grant joined a panel to discuss U.S. BIM and infrastructure at the buildingSMART International Standards Summit/ National Conference on Digital Transformation in the Built Environment in October. The following month, presented

about the BIM for Bridges Pooled Fund Project that he serves as an advisor on, during the 10th International Symposium on Visualization in Transportation November 3-4. The event, which explored many opportunities and challenges of visualization and how it's transforming our work today, took place at the National Academy of Sciences in Washington.

In early February, NIBS BIM Program Director Johnny Fortune will speak at the 2023 Construction Users Roundtable (CURT) National Conference. The February 7 session will unpack the newly-launched U.S. National BIM Program from NIBS. Fortune will highlight how the program aims to digitally transform businesses across the project delivery lifecycle and how various project stakeholders can contribute and benefit from the program. Also in February, Fortune will serve as a panelist in the opening keynote of GeoWeek at the Colorado Convention Center in Denver. GeoWeek takes place February 13-15.

We're Sponsoring the Cal Poly Pomona Team in the Orange County Sustainability Decathlon!

The National Institute of Building Sciences is proud to announce sponsorship of the Cal Poly Pomona team participating in the **Orange County Sustainability Decathlon 2023** (OCSD23).

OCSD23 challenges university teams to design and build model solar-powered homes that address climate change and California's housing needs. It aims to empower future generations to lead the state's transition to 100% renewables.

Cal Poly Pomona has been accepted as one of 18 university teams to compete in OCSD23. The competition takes place October 5-15, 2023, in Costa Mesa, California.



Teams will showcase innovative, market-ready model homes to display in a sustainable village that will be open to the public.

NIBS is providing the Cal Poly Pomona team with a complimentary Enterprise license to the United States National CAD Standard v6. NCS is a consensus standard incorporating industry publications. It is the only comprehensive standard for facility planning, design, construction, and operation drawings.

CFIRE and Partners Kick Off Resilience Incentivization Roadmap 2.0

The Multi-Hazard Mitigation Council (MMC) Committee on Finance, Insurance and Real Estate (CFIRE) held its Resilience Incentivization Roadmap 2.0 kickoff meeting with project partners this month.

Nearly two dozen industry officials participated in the meeting to discuss collaboration and next steps.

"We're ready to take this to the next level," said Daniel Kaniewski, Managing Director, Public Sector with Marsh McLennan and CFIRE Chair.

In 2020, CFIRE published the NIBS report A Roadmap to Resilience Incentivization, which highlighted public and private incentives that can facilitate the construction and retrofit of more resilient buildings and infrastructure. Kaniewski noted that this report has informed many resilience efforts since its publication and serves as an important building block for the new 2.0 effort.

The Public Sector Alone Cannot Solve America's Resilience Problem

In May, NIBS announced a partnership with Fannie Mae to develop a roadmap on mitigation investment to help Americans and the nation's built environment prepare for and better respond to the devastating effects of climate change. The Resilience Incentivization Roadmap 2.0 is being sponsored by Fannie Mae and supported by CFIRE.

Banks, insurance companies, appraisers, and real estate firms all play a significant role in how buildings are procured, designed, and constructed. How these different segments evaluate the risk associated with particular projects, technologies, and practices can have an enormous impact on whether an idea gets the funding and insurance needed to move forward to fruition. READ MORE>>

News from the Multi-Hazard Mitigation and Building Seismic Safety Councils

NIBS leadership had a great kick off in December to the Natural Hazard Mitigation Needs Assessment project with the Federal Emergency Management Agency and our subject matter experts team. The NIBS project team will evaluate the mitigation needs across all major natural hazards, including flooding, wind, wildfires, earthquakes, and hurricanes.

In other mitigation news, NIBS Vice President of Engineering Jiqiu Yuan quoted Natural Hazard Mitigation Saves study material for a story by Reviewed.com about saving appliances and utilities from flood damage.

Finally, the Multi-Hazard Mitigation and Building Seismic Safety Councils new board directors for 2022-2024. For more information, visit nibs.org.





CENTER FOR AMERICAN PROGRESS

How Fema Can Build Rural Resilience Through Disaster Preparedness

The Federal Emergency Management Agency is vital to the nation's climate resilience, but pre-disaster resilience funds are not reaching the rural communities most vulnerable to climate risk and least able to prepare. READ MORE>>

CONSTRUCTION DIVE

BIM Program Aims to Boost Construction's Digital Transformation

Low technology adoption remains a critical issue for the U.S. construction industry's efficiency and resiliency, according to the National Institute of Building Sciences. For that reason, NIBS has launched the U.S. National Building Information Management Program, with the goal of achieving a higher level of efficiency through digitalization. READ MORE>>>

EYE ON ANNAPOLIS

Public Encouraged To Help Annapolis With Hazard Mitigation Plan

The City of Annapolis has experienced many hazard incidents in recent memory. Last year a tornado devastated West Street and nearby communities. The

City also witnessed the fourth-highest coastal flooding on record, the highest not connected to a tropical weather system. The City has a robust hazard mitigation program that takes action to reduce hazard risk and future losses.

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THE GUARDIAN

Weather Disasters Hit 90% Of U.s. Counties In Last 11 Years, Report Finds

Ninety percent of the counties in the US suffered a weather disaster between 2011 and 2021, according to a new report. Some endured as many as 12 federally declared disasters over those 11 years. More than 300 million people – 93% of the population – live in these counties. READ MORE>>

BUILDING ENCLOSURE

NIBS Announces Upcoming Release Of Cobie 3.0

The National Institute of Building Sciences (NIBS) Building Information Management Council (BIMC) is planning the upcoming release of COBie 3.0, as an update to the Construction to Operations Building information exchange (COBie 2.4) Specification. COBie 3.0 also will be published as an integral part of the upcoming version 4.0 of the National BIM Standard – United States®. **READ MORE>>**





January 10 – National Cut Your Energy Costs Day

January 16 - MLK Day

February 11 – International Day of Women and Girls in Science

February 19-25 – National Engineers Week

February 20 – Presidents Day

March 4 - World Engineering Day

March 8 - International Women's Day

March 6-12 - Women of Aviation Week

March 11 - World Plumbing Day

March 14 – Pi Day

March 22 - World Water Day



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CFIRE AND PARTNERS KICK OFF RESILIENCE INCENTIVIZATION ROADMAP 2.0

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