



**KEITH B. CABALLER-DIAZ, ASSOC. AIA, AIT
STAFF CONSULTANT**

kbcaballer@engsys.com

Mr. Caballer holds a degree in architecture with over five years of experience in design, administration, and documentation of Architecture, Engineering, and Construction (AEC) projects. He specializes in pedestrian and floor safety, including slip resistance and coefficient of friction (COF) testing. He also performs scientific investigations and failure analysis of the designed and built environment for project specific matters including the review of code compliance, accessibility guidelines and walkway safety standards. His expertise in premises safety and building code matters extends not only to residential and commercial buildings but also encompasses his experience with cruise ships and other large passenger vessels. Mr. Caballer's architectural background and experience with the National Floor Safety Institute have been key in his premises safety audits & forensic risk assessments regarding slip, trip and fall cases.

Prior to joining ESi, Mr. Caballer performed hundreds of building damage assessments for the emergency disaster response efforts following Hurricane Maria and its impact on Puerto Rico's public infrastructure. These damage assessments included schools, hospitals, government buildings and private non-profits like churches and other special education institutions. In addition, Mr. Caballer worked for GE Healthcare as a Project Manager and Lead Design intern, where he got first-hand exposure to hospital construction methods, materials and building codes for spaces that house medical imaging equipment.

During Mr. Caballer's time working for the Federal Emergency Management Agency (FEMA) and ICF International Consulting, he applied various data collection techniques, such as thermal imaging, laser scanning, and drone photogrammetry to aid in building and roof inspections.

Areas of Specialization

Walkway Audits & Safety Evaluations
Building Code & Design Standards
Construction Management and Administration
Construction Documents and Contracts
Building Information Modeling (BIM) Mapping & Surveying Technologies
Design, Animation, and 3D Scene Preservation
Infrastructure Inspections and Thermography
Maritime Vessel Inspections & Safety Audits
Footwear Inspections and Sole Traction Tests

Education

B. Arch., Polytechnic University of Puerto Rico, 2021



Positions Held

Engineering Systems Inc., Miami, Florida

Staff Consultant, 2024 – Present

Sr. Technologist & Team Leader 2022-2024

Sr. Technologist 2020-2022

ICF International, San Juan, Puerto Rico

Damage Inspector 2019 - 2020

GE Healthcare, San Juan Puerto Rico

Project Manager & Lead Designer Intern 2012 – 2014

Certifications & Continued Education

Walkway Auditor Certificate Holder (WACH), National Floor Safety Institute (2023)

Certified XL Tribometrist (CXLT), Excel Tribometers (2023)

Essential Skills Development for Site Planning I, GE Healthcare, 2013

Essential Skills Development for Site Planning II, GE Healthcare, 2013

Certified GruvLok Coupling Pipe Fitting Inspector, Anvil International, 2022

Level 1 sUAS Thermography Certification, Infrared Training Center, 2022

FARO Focus Certified Operator, FARO, 2020

Certified Part 107 Drone Pilot, Federal Aviation Administration, 2019

Disaster Management Training Courses IS-1001 through IS-1024, FEMA, 2019

Fall Protection Training, Turner Consulting and Training Services, 2022

Publications & Conferences

2023 NFSI Slip, Trip and Fall Prevention Symposium – *“The Relationship between Code Requirements & Human Factors/Biomechanical aspects of Slip, Trip and Fall Incidents”* - Authors/Presenters: Zdenek Hejzlar, Keith Caballer & Christopher Eckersley

Professional Affiliations

Associate AIA member of the American Institute of Architects

B101 Subcommittee Member of the National Floor Safety Institute – active in two (2) committees:

B101.11 Standard for the Prevention of Climate Related Slips, Trips and Falls

B101.8 Test Method for Measuring the Dry Dynamic Coefficient of Friction (DCOF) and Dry Static Coefficient of Friction (SCOF) of Hard-Surface Walkways