

EXISTING BUILDING
FIRE-RESISTANCE
SYMPOSIUM DUBAI

14-15 FEB 2023



FCIA 
www.FCIA.ORG

A WORD FROM FCIA'S BOARD PRESIDENT, TYLER FERGUSON

Welcome to the FCIA Existing Building Fire-Resistance Symposium Dubai '23.

First off, I want to thank you all for being a part of the FCIA, Firestop Contractors International Association. By being a part of the FCIA, not only are you pushing a new and exciting industry forward, but you are also supporting an industry that truly can save lives.

I am genuinely honored to be serving you all as the 2023 FCIA Board President. Firestopping is something I have been passionate about since I first learned about the industry. Not only was I intrigued about how important it was, but I was also surprised by how many people knew so little about it. The second I fully understood the importance of proper firestopping, I knew that this was the career path for me. Since then, I have dedicated the last 10 years of my life learning, studying, teaching, and growing the life safety industry.

I believe that the future of the firestopping industry lies in education and awareness. I am the Committee Chair for the Education Committee, the goal of which is to build the best virtual education program on the market. The Program is called the FCIA Certificate of Achievement Education Program (FCAEP). We rolled out the Firestop Level 1 & Level 2 Programs in 2022. We look forward to rolling out the Level 3 program in 2023. I am passionate about educating as many people as we possibly can. The more people that fully understand why firestopping needs to be installed properly, the better chance we have at continuing to push this profession in a positive direction.

If you want to make a difference, I challenge you to become part of a FCIA Committee. It takes the next generation of Specialty Firestopping Installation Contractors to step up and do their part in continuing to change and mold our industry and Association. We are always excited to see new faces and to hear new ideas.

I also want to thank all the trailblazers that came before us, including a special "Thank you" to all those who have served as FCIA Board President and on the FCIA Board of Directors. There are so many people that have dedicated so much of their time and energy to build the industry we have today. To all of you, "Thank you." All your hard work has not gone unnoticed. Additionally, I want to thank Bill McHugh and his amazing team for all they do for all of us. I am truly honored to have the opportunity to work beside this fine group of people.

In closing, I am excited for what 2023 has in store! FCIA has so many exciting events on the calendar, I look forward to meeting you in-person if you get the chance to make it to one of our amazing events. If you can't make it, I hope you get the opportunity to join us virtually. You don't want to miss all the great content the FCIA has for us in 2023!

Finally, thank you for all for the continued support. We would not be able to have such a successful and impactful organization without each one of you!! Enjoy the event, and thank you for your commitment to fire and life safety!



Tyler Ferguson

Tyler Ferguson, 2023 FCIA Board President



2023 FCIA BOARD OF DIRECTORS

FCIA's Board of Directors is a very diverse and passionate group of Contractors. Each person has chosen to give back to the Association through serving on the Board, participating on Committee(s), and more.

PRESIDENT

Tyler Ferguson, DRI
National Firestopping Solutions
Saco, ME
207.282.4136
tylerf@nefirestop.com

VICE PRESIDENT

Alan Mcdurmon, DRI
Performance Contracting, Inc.
Fayetteville, GA
678.817.5400
alan.mcdurmon@pcg.com

SECRETARY

Gus Mancini, DRI
Gleeson Powers
Southborough, MA
508-553-0800
gus@gpi-firestop.com

TREASURER

Mark Dietz
Superl, Inc.
Lino Lakes, MN
763.571.7464
mark@superl.net

PAST PRESIDENT

Jerry Dugan, Jr.
Firestopping Specialist
Odessa, TX
432.335.8200
jerryduganjr@gmail.com

PAST PAST PRESIDENT

Ben Urcavich, DRI
Performance Firestop Inc.
Green Bay, WI
920.436.9788
ben@performance-firestop.com

DIRECTORS

Jay McGuire, DRI
Fire Stop Technologies, Inc.
St. Louis, MO
314.913.4414
jay@thornburgh-stl.com

Scott Rankin, DRI
American National Insulation, Inc. dba Insulation Contractors
Robbinsville, NJ
609.890.0036
scott.rankin@truteam.com

Joe Wilkinson, DRI
ARC Firestop Solutions, Inc.
Baltimore, MD
443.573.0292
jwilkinson@arc-md.com

EXECUTIVE DIRECTOR

Bill McHugh
FCIA
Hillside, IL
708.202.1108
bill@FCIA.org



FCIA COMMITTEES NEED YOU...(TO JOIN AND GET INVOLVED)

FCIA Committees are comprised of FCIA Member volunteers who work together on various pieces of Association business, from Codes and Standards development to Marketing outreach and more. This collaboration is how we gain industry consensus on issues related to the improvement of fire and life safety in buildings around the globe and how we create opportunities for the growth of our industry.

Consider volunteering your time and talents with one of the following Committees. Contact the Committee Chair(s) or cathy@FCIA.org for additional information or to inquire about joining a Committee. Detailed descriptions of each Committee can be found at www.FCIA.org/ABOUT-FCIA/Committees.

ACCREDITATION COMMITTEE

Ben Urcavich, DRI - Chair
Performance Firestop, Inc.
ben@performance-firestop.com

Tyler Ferguson, DRI - Co-Vice Chair
National Firestopping Solutions
tylerf@nefirestop.com

Tracy Smith, DRI - Co-Vice Chair
Firestop Southwest, Inc.
tracys@firestopswsouthwest.com

ADVISORY COMMITTEE

Ben Urcavich, DRI - Chair
Performance Firestop, Inc.
ben@performance-firestop.com

CANADA COMMITTEE

John Sharpe
Pro-Firestop, Inc.
john@profirestop.com

Ken Slama, DRI - Vice Chair
National Firestop Ltd.
kslama@nationalfirestop.com

CODE COMMITTEE

Tracy Smith, DRI - Chair
Firestop Southwest, Inc.
tracys@firestopswsouthwest.com

Scott Rankin, DRI - Vice Chair
American National Insulation, Inc. dba
Insulation Contractors
scott.rankin@truteam.com

EDUCATION COMMITTEE

Tyler Ferguson, DRI - Chair
National Firestopping Solutions
tylerf@nefirestop.com

Aideen Doneski - Vice Chair
Gleeson Powers, Inc.
aideen@gpi-firestop.com



FINANCE COMMITTEE

Scott Rankin, DRI - Chair
American National Insulation, Inc. dba
Insulation Contractors
scott.rankin@truteam.com

Mark Dietz - Vice Chair
Superl, Inc.
mark@superl.net

INSPECTION COMMITTEE

Gus Mancini, DRI - Chair
Gleeson Powers, Inc.
gus@gpi-firestop.com

Tracy Smith, DRI - Vice Chair
Firestop Southwest, Inc.
tracys@firestopswsouthwest.com

INTERNATIONAL TASK GROUP

Ben Urcavich, DRI - Chair
Performance Firestop, Inc.
ben@performance-firestop.com

Tyler Ferguson, DRI - Vice Chair
National Firestopping Solutions
tylerf@nefirestop.com

LIFE SAFETY DIGEST COMMITTEE

Scott Rankin, DRI - Chair
American National Insulation, Inc. dba
Insulation Contractors
scott.rankin@truteam.com

David Mistler, DRI - Vice Chair
Alpha Insulation & Waterproofing, Inc.
dmistler@alphaiwp.com

MARKETING COMMITTEE

Ben Urcavich, DRI - Chair
Performance Firestop, Inc.
ben@performance-firestop.com

Alan Mcdurmon, DRI - Co-Vice Chair
Performance Contracting, Inc.
alan.mcdurmon@pcg.com

Mike Pautsch, DRI - Co-Vice Chair
Superl, Inc.
mike@superl.net

MEMBERSHIP COMMITTEE

Mark Dietz - Chair
Superl, Inc.
mark@superl.net

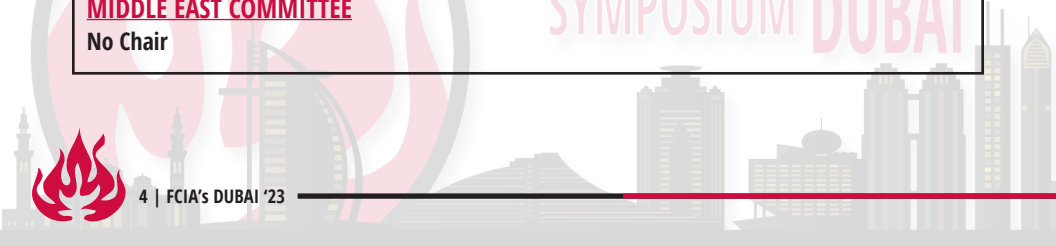
Jerry Dugan, Jr. - Vice Chair
Firestopping Specialist
jerryduganjr@gmail.com

MIDDLE EAST COMMITTEE

No Chair



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PROGRAM COMMITTEE

Alan Mcdurmon, DRI - Co-Chair
Performance Contracting, Inc.
alan.mcdurmon@pcg.com

David Mistler, DRI - Co-Chair
Alpha Insulation & Waterproofing, Inc.
dmistler@alphaiwp.com

Jerry Dugan, Jr. - Co-Vice Chair
Firestopping Specialist
jerryduganjr@gmail.com

Scott Rankin, DRI - Co-Vice Chair
American National Insulation, Inc. dba
Insulation Contractors
scott.rankin@truteam.com

STANDARDS COMMITTEE

Jay McGuire, DRI - Chair
Fire Stop Technologies, Inc.
jay@thornburgh-stl.com

Tracy Smith, DRI - Vice Chair
Firestop Southwest, Inc.
tracys@firestopsouthwest.com

TECHNICAL & EDUCATION COMMITTEE

Bob Hasting, DRI - Chair
Specialty Firestop Systems
rhasting@specialtyfirestop.com

Ken Slama, DRI - Vice Chair
National Firestop Ltd.
kslama@nationalfirestop.com

TE TASK GROUP: FCIA MANUAL OF PRACTICE (MOP)

Ken Slama, DRI - Chair
National Firestop Ltd.
kslama@nationalfirestop.com



WHAT'S ON THE AGENDA?

PRE-REGISTRATION REQUIRED

The FCIA Existing Building Fire-Resistance Symposium Dubai, DUBAI '23, provides technical education on all aspects of fire-resistance-rated and smoke-resistant assemblies in existing buildings in the Gulf Region. The content is tailored for Specialty Firestop Installation Contractors, Special Inspection Agency personnel, Department of Civil Defence members, Department of Municipality members, Building Owners and Managers, and Architects and Engineers or Specifiers with Design Firms.

All times listed are in GST.

14 FEBRUARY 2023

ADMIRAL

0730 am - 1200 pm	Registration Open
0730 am - 0800 am	Welcome Tea and Coffee
0800 am - 0830 am	FCIA & Sponsor Welcome & Introduction
0830 am - 0930 am	Fire-Resistance Test Standards and How They Work <i>Bill McHugh, FCIA Abhishek Chhabra, Thomas Bell-Wright International Consultants</i>
0930 am - 1015 am	Municipality, Building Owners, and Protecting People in Existing Buildings <i>Bill McHugh, FCIA</i>
1015 am - 1030 am	Break
1030 am - 1130 am	Installation Standards <i>Bill McHugh, FCIA Amr Mahmoud, MSc., PE, UL Solutions</i>
1130 am - 1215 pm	Firestop Inspection Standards <i>Bill McHugh, FCIA</i>
1215 pm - 1315 pm	Luncheon
1315 pm - 1430 pm	Firestop Systems Selection, Analysis, & Survey <i>Bill McHugh, FCIA Julius Sarmiento, Emirates Safety Laboratory</i>
1430 pm - 1500 pm	Symposium Wrap-Up <i>Bill McHugh, FCIA</i>

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Tyler Ferguson, 2023 FCIA Board President

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PRE-REGISTRATION REQUIRED

FCIA Education for the FM & UL Firestop Exams education sessions help FCIA Members and others prepare for the FM & UL Firestop Exams. They also help FM & UL DRIs attain and maintain FM 4991 Approved or UL Qualified Firestop DRI status, Firestop Inspectors to prove competence to AHJs or International Accreditation Services IAS AC 291 Special Inspection Agency responsible individual status.

All times listed are in GST.

15 FEBRUARY 2023

STRAITS 1

- 0730 am – 1700 pm Registration Open
- 0730 am – 0800 pm Welcome Tea and Coffee
- 0800 am – 1000 am FCIA Education for the FM & UL Firestop Exams
Bill McHugh, FCIA
- 1000 am – 1015 am Break
- 1015 am – 1230 pm FCIA Education for the FM & UL Firestop Exams
Bill McHugh, FCIA

ACCENTS RESTAURANT

- 1230 pm - 1330 pm Luncheon

STRAITS 1

- 1330 pm - 1715 pm Quality Management System Manual Development Education
Bill McHugh, FCIA | Amr Mahmoud, MSc., PE, UL Solutions
- 1715 pm – 1730 pm Break
- 1730 pm – 2030 pm FM & UL Firestop Exams



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SESSION DESCRIPTIONS

TUESDAY, 14 FEBRUARY 2023

0830 am - 0930 am

Fire-Resistance Test Standards and How They Work

Bill McHugh, FCIA | Abhishek Chhabra, Thomas Bell-Wright International Consultants

Learn about the Fire Test Standards for fire-resistance-rated walls and horizontal assemblies, ASTM E119 and UL 263.

This session provides a top-level look at these critical assemblies and the penetration and opening protective assemblies that protect the breaches. Systems that will be explored are ASTM E814 and the new Standard for Movement and Exposure, the unique L and W ratings in UL 1479, ASTM E1966, UL 2079 Head-of-Wall assemblies, UL 9, UL 10B, UL10C, NFPA 257, NFPA 252 for Fire Doors, UL555, UL5555 for Fire Dampers, NFPA 80 Opening Protective Requirements in New Construction, and existing buildings.

*The session takes a broad look at various Standards, except those related to perimeter fire containment.

0930 am - 1015 am

Municipality, Building Owners, and Protecting People in Existing Buildings

Bill McHugh, FCIA

There is a process for maintaining protection in existing buildings that Building Owners and Managers can use.

This session covers key processes Building Owners and Managers can use to maintain protection in buildings.

1030 am - 1130 am

Installation Standards

Bill McHugh, FCIA | Amr Mahmoud, MSc., PE, UL Solutions

When installed in accordance with the listing and manufacturers installation instructions, Fire Test Standards form the suitability for use statements for products in specific

fire-resistance-rated systems. Effective fire-resistance-rated and smoke-resistive compartmentation relies on these breach protections for reliability.

In this session, delegates will learn the key points about systems selection and analysis, in addition to the FM 4991, Standard for the Approval of Firestop Contractors and UL Qualified Firestop Contractor Programs.

1130 am - 1215 pm

Firestop Inspection Standards

Bill McHugh, FCIA

Firestopping is a complex systems-oriented discipline with exacting installation requirements. The quality check on the Contractor's installation process is inspection in accordance with ASTM E2174, *Standards for the On-Site Inspection of Installed Firestop Systems* and ASTM E2393, *Standards for the Inspection of Fire-Resistive Joint Systems and Perimeter Fire Containment Standards*.

This session reviews the inspection Standards and their requirements.

1315 pm - 1430 pm

Firestop Systems Selection, Analysis, & Survey

Bill McHugh, FCIA | Julius Sarmiento, Emirates Safety Laboratory

Building Owners and Managers need to evaluate installed firestop systems for compliance with the Fire Codes. Managing fire-resistance-rated and smoke-resistant assemblies in existing buildings needs a plan to be effective. The plan needs to be part of the facility personnel's culture to maintain protection of buildings and their occupants.

This session provides the tools to help develop and implement a passive fire protection management plan, including a review of the FCIA Recommended Practice for Survey of Existing Buildings and the FCIA Recommended Practice for Identification Systems such as Labeling.



WEDNESDAY, 15 FEBRUARY 2023

0800 am - 1230 pm

**FCIA Education for the FM & UL
Firestop Exams**
Bill McHugh, FCIA

The FM & UL Firestop Exams are based on FCIA's Firestop Manual of Practice (MOP), the FM & UL program guides, and systems selection and analysis. These exams are used for contractor personnel to become FM 4991 Approved Contractor and UL Qualified Contractor Program DRIs. For Special Inspectors, passing the exam proves firestopping competency to the Authority Having Jurisdiction (AHJ), required by the IBC's Chapter 17. Passing an exam is also a requirement in IAS AC 291 for the Inspector to become a Responsible Person.

The FCIA Education for the FM & UL Firestop Exam education sessions help prepare individuals and support individual preparation for these rigorous exams, further strengthening and developing firestopping knowledge.

*This program IS NO SUBSTITUTE for reading FCIA's Firestop Manual of Practice and studying the FM & UL program guides and systems selection and analysis before the exams.

1330 pm - 1715 pm

**Quality Management System Manual
Development Education**
*Bill McHugh, FCIA | Amr Mahmoud, MSc.,
PE, UL Solutions*

This session takes an in-depth look at the Quality Management System Manual requirements for the FM 4991 Approved, UL Qualified Firestop Contractor, and IAS AC 291 Accreditation programs. The session also provides tips and a framework for structuring and writing a comprehensive QMS Manual.

Expansion joints with fire barriers





Abhishek Chhabra, Market Development Manager

Abhishek Chhabra joined Thomas Bell-Wright International Consultants in 2013 and has been the driving force behind the expansion of the fire compliance activities into new markets. An engineer with a post-graduate diploma in finance, Abhishek brings with him valuable experience from other, larger TIC (Testing, Inspection & Certification) companies.

He has been advocating the need for compliance to standards for improved safety and quality across industries for most of the last 18 years. He has a vast experience of how conformity is realized across supply chains of several industries including Consumer Electronics, Industrial, Renewable, and Building Products.

Along with helping certification bodies expand their horizons of business for over a decade, he has been writing articles and presenting at various forums about mandatory and voluntary quality and safety compliance activities. He also owns and drives a blog called Gurus of Testing, Inspection and Certification (www.tic.guru) aimed at expanding the understanding of conformity across the world.

Thomas Bell-Wright
International Consultants
P.O. BOX 26385
Dubai, UAE

T: +971 4 821 5777
E: abhishek.chhabra@bell-wright.com



Amr Mahmoud, MSc, PE, Senior Field Engineer - MENA

Amr Mahmoud holds a M.Sc. degree in Fire Protection from Helwan University and is registered as a Professional Engineer from the Texas Board of Professional Engineers and New York State, USA.

Amr has 12 years' experience in Fire Protection in the Middle East for International Design Firms and experience in Hydrocarbons, Infrastructure, Buildings, and Industrial. He is currently one of the Senior Engineers for the UL Qualified Firestop Contractor, Fire Door, Lightning Protection, and Firestop Inspection Programs within the Middle East and Africa region.

Underwriters Laboratories
Lab Complex, Unit 222,
Dubai Science Park (DSP)
Al Barsha, P.O.Box 345831
Dubai, UAE

T: + 971.5210.77012
E: amr.mahmoud@ul.com





Bill McHugh, Executive Director

Bill McHugh has been the Executive Director of the Firestop Contractors International Association (FCIA) for more than 20 years. He has been in the construction industry for 40+ years specializing in fire-resistance, roofing, and waterproofing.

Bill participates in the Code Development processes at the National Fire Protection Association (NFPA), International Code Council (ICC), State of Illinois and City of Chicago. He has served on the ICC's 'Fire Safety' Code Development Committee, serves on the Fire Protection Features Committee at NFPA, and is a past member of the International Accreditation Services (IAS) Board of Directors. At the American Society for Healthcare Engineering (ASHE), he serves as organizer and moderator for the ASHE/TJC/FCIA/UL Barrier Management Symposiums. He is also a past Institute Director, Chapter, and Region President at the Construction Specifications Institute.

At FCIA, Bill produces *Life Safety Digest*, the *Magazine of Effective Compartmentation*, is principal author of the FCIA Firestop Manual of Practice, organizes and speaks at FCIA's Conferences, Webinars, and Symposiums, and liaises with many other associations.

FCIA
4415 W. Harrison, Suite 540
Hillside, IL 60162 USA

T: +1 708.202.1108
E: bill@FCIA.org



Julius Sarmiento, Senior Certification Specialist - Fire Properties

Julius Sarmiento is a Senior Certification Specialist with over 17 years of working experience, including 15 years in the field of building engineering & construction and third-party consultancy. He specializes in conformity certification of fire and life safety products and materials

Before joining Emirates Safety Laboratory, he worked in a Third Party House of Expertise as a Dubai Civil Defense-approved engineer/inspector where he developed his knowledge & expertise in building fire & life safety, which has been the foundation of technical proficiency in a wide variety of small to large-scale-size building projects. He spends most of his experience working in the building design and construction industry and was involved in various building construction projects as a Senior MEP Engineer.

Emirates Safety Laboratory
240 Al Awir Road, Warsaw 3
Mushraif, Dubai UAE

T: +971 4 520 1814
E: julius.sarmiento@emirateslaboratory.com



WHO WILL BE THERE?

IN-PERSON ATTENDEES*

FIRST	LAST	COMPANY	LOCATION	EMAIL
Mihir	Prajapati	Al Swiss Insulation Co. LLC	Ajman, UAE	megasales@kkjgroup.ae
Jay	Prajapati	Al Swiss Insulation Co.LLC	Ajman, UAE	jay@kkjgroup.ae
Ali	Hajjar	Construction Specialties	Dubai, UAE	ahajjar@c-sgroup.com
Amina	Hussain	Construction Specialties	Dubai, UAE	ahussain@c-sgroup.com
Tamara	Arafat	Emirates Safety Laboratory	Dubai, UAE	tamara.arafat@emirateslaboratory.com
David	Campbell	Emirates Safety Laboratory	Dubai, UAE	david.campbell@emirateslaboratory.com
Ahmed	Yousry	Emirates Safety Laboratory	Dubai, UAE	ahmed.yousry@emirateslaboratory.com

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IN-PERSON ATTENDEES*

FIRST	LAST	COMPANY	LOCATION	EMAIL
Shah	Mohammad Fahad	Fire Stop Middle East LLC	Doha, Qatar	fahad@firestopme.com
Kiro	Naumov	Fire Stop Middle East LLC	Doha, Qatar	kiro@firestopme.com
Jeno	Nixson Mon Jeyaseelan	Fire Stop Middle East LLC	Doha, Qatar	nixson@firestopme.com
Rex	Kalluvalappil	Intherpro, LLC	Dubai, UAE	rex@intherpro.com
Venukuttan	Madhavan Nair	Intherpro, LLC	Dubai, UAE	venukuttan@intherpro.com
Mohammad	Nabil Ghouse	Multi Tech Trading & Contracting	Doha, Qatar	sales.multitechgroup@gmail.com
Sheik	Nizamvali	Multi Tech Trading & Contracting	Doha, Qatar	nizam@multigroupworld.com
Mohammad	Khaleel Basha	Multi Tech Trading & Contracting Co.	Doha, Qatar	info@multigroupworld.com
Yasmi	Ali	Rise & Shine Insulation & Fire Protection	Abu Dhabi, UAE	ravi@rnsworld.com
Ashraf	Aryan	Rise & Shine Insulation & Fire Protection	Abu Dhabi, UAE	ashraf@rnsworld.com
Bala	Subramanyam	Rise & Shine Insulation & Fire Protection	Abu Dhabi, UAE	balug@rnsworld.com
Ravi	Subramanyam	Rise & Shine Insulation & Fire Protection	Abu Dhabi, UAE	ravi@rnsworld.com
Sami	Bejjani	STI	Dubai, UAE	samib@stifirestop.com
Karam	Mawed	STI/Unitech	Dubai, UAE	karam.mawed@ikkgroup.com

*Attendees as of 09 February 2023



WHO WILL BE THERE?

TESTING ONLY ATTENDEES*

FIRST	LAST	COMPANY	LOCATION	EMAIL
Tarek	el Sayah	Alia Advanced Co. Ltd	Jeddah, KSA	tarek.sayyah@aacl-sa.com

EXISTING BUILDING FIRE-RESISTANCE SYMPOSIUM DUBAI

*Attendees as of 09 February 2023



MANUFACTURER MEMBER SPONSORS

FCIA Manufacturer Member Sponsors have made a corporate commitment to the continued advancement of the firestop and effective compartmentation industry, a corporate commitment to supporting your Association and the work the FCIA does. Join us in thanking our Manufacturer Member Sponsors for their generous support of this year's educational program, activities, and amenities.

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