

# Prysmian Awarded Submarine Cables Contract in Alaska

**Prysmian Group**, Milan, Italy, provider of energy and telecom cable systems, has won a contract by Alaska Power & Telephone Company (AP&T) to supply, install and test two submarine fiber optic cable links in

Prysmian

southeast Alaska. The SEALink project undertaken by AP&T's subsidiary AP&T Wireless (APTW) will improve communications in southeast Alaska, bringing broadband to rural areas

currently unserved.

The SEALink project will create a 214 mile submarine fiber optic cable from Juneau to Prince of Wales Island. Prysmian's turnkey contract will provide a 323 km MINISUB brand cable with 36 G.652.D FO. The cable will be produced at Prysmian's Nordenham, Germany plant, one of the group's three centers of excellence for submarine cables production.

By bringing high speed broadband to the residents of Kasaan and Coffman Cove on Prince of Wales Island for the first time, AP&T and Prysmian Group are helping the local community bridge the digital divide. Residents will benefit from broadband connections to support tele-medicine, distance learning, remote working, ecommerce, tourism marketing and sharing cultural resources and knowledge. www.prysmiangroup.com

# **LEONI Makes Significant Gains; Improves Competitiveness**

Even amid a volatile market environment and with tension in supply chains across the industry, **LEONI AG**, Nuremberg, Germany, made significant year-on-year gains in 2021 in terms of sales, EBIT before exceptional items as well as before VALUE 21 costs, and free cash flow.

Sales for the **Leoni Group** in the 2021 financial year were up by nearly

25% at €5.1 billion (€4.1 billion in 2020), driven by a robust recovery of demand in sales markets in the first half of the year, but dampened in the second half by shortages and slowdowns in the international supply chains. The sales figures also reflected positive effects stemming from the price of copper in the 12-month view. Both the WSD and WCS divisions contributed to the positive trend in sales. www.leoni.com



**LEONI Board of Directors.** 

WIRE & CABLE STOCK INDEXES						
		% CHANGE since last issue	% CHANGE YTD 2022			
OVERVIEW 36	4804	-0.2	-13.4			
OVERVIEW Electrical	4000	-0.2	-13.5			
OVERVIEW Communications	891	-2.4	-15.2			
OVERVIEW Steel	385	+4.3	-5.7			
All numbers are from prices listed on the market on April 6, 2022.						

# **April 11, 2022** Volume 25, Issue 4

# **INSIDE THIS ISSUE**

NAM Names Southwire's Stinson to Board2
Advanced Conductors Report CTC Global 2
Schulties & Garrison to Address at WAI's
Operations Summit & Wire Expo 20223
Nexans Wins USA Cables Contract &
Completes Acquisition of Centelsa3
Southwire Acquires Novinium4
Commission Brokers Liquidating
New England Wire Maker on April 124
LEONI Joins Autonomous Trucks Project5
Prysmian Completes North Sea Link5
$\label{thm:lem:matter} \textit{Hexatronic: New Super-Slim Micro Cables6}$
New Datwyler Category 6A Solution6
Draka Launches Copper Data Cables7
Sales, Net Income, Dividends, Calls7
IWCS Celebrates Women's History8
Spacecraft Harness Keynote at EWPTE8

Presented by:



## **Wire Harness & Cable Connector**

## Initial Publications, Inc.

1741 Akron Peninsula Road, Akron, OH 44313 USA

Tl: +1 330 864 2122 • Fx: +1 330 864 5298

www.wiretech.com

Chip Lippincott President & Publisher Mike McNulty **VP & Editor** Jim Masar Senior Editor Alex Lippincott Sales Manager Mike Dies Sales Representative Pete McNeil Sales Representative





Sale Date April CHICOPEE, MA





WWW.PERFECTIONINDUSTRIAL.COM

April 11, 2022

# Notebook

# Southwire's Rich Stinson Named to NAM Board The National Association of Manufacturers (NAM) has named Rich Stinson, Southwire President and CEO, to the NAM Board of Directors. The NAM was founded in 1895 and is the largest industrial trade association in the USA, with over 14,000 members, from small businesses to

global leaders, in every industrial sector. It is the USA's most



influential manufacturing advocate, telling the story of the manufacturing industry and equipping manufacturers with resources via its news and insights channels and partnerships with the Manufacturing Leadership Council, The Manufacturing Institute and the Innovation Research Interchange.

"I am honored to join the NAM Board and represent Southwire as we work to contribute to the continued growth/success of all manufacturers," said Stinson. "As our world becomes even more connected and as electrification plays an even greater role, I look forward to working with industry peers to promote opportunity/prosperity and further strengthen the future of manufacturing."

www.nam.org



# Advanced Conductors Report from CTC Global & Grid Strategies LLC

CTC Global, Irvine, CA, USA, joins Grid Strategies LLC, Washington, DC, USA, in announcing the release of its latest report, "Advanced Conductors on Existing Transmission Corridors to Accelerate Low Cost Decarbonization." The report, prepared at the request of CTC Global and cosponsored by five other companies in the industry.

This report was prepared with funding from the American Council on Renewable Energy (ACORE), CTC Global Corporation, Lamiff Inn North America, Natural Resources Detense Council (NRDC), Taihan Electric USA Ltd., and TS Conductor Corporation



highlights for policy makers, regulators, utilities and other key stakeholders the significant opportunities that reconductoring with Advanced Conductors such as ACCC® Con-



ductors from CTC Global can offer.
The report is available directly from Grid Strategies website.

www.gridstrategiesllc.com

www.ctcglobal.com

# Emmanuel Beydon-Schlumberger to R&M's Managing Director France

Swiss-based R&M, provider of cabling systems for high-quality network infrastructures, has named Emmanuel Beydon-Schlumberger Managing Director of France. Beydon-Schlumberger joined Reichle & De-Massari Far East in China in 2006 as Regional Sales/Key Account Manager. In 2009, he



became Managing Director Australia & New Zealand and in 2019 Global Key Account Manager at R&M's head office in Switzerland, working closely with the global sales network. He has in-depth understanding of the company, its solutions and different cultures.

www.rdm.com



## **NAI appoints Clay Thelen CFO**

NAI, Troy, MI, USA, a leading producer of custom interconnect solutions, has appointed Clay Thelen Chief

Financial Officer (CFO). He will lead Finance, Accounting, IT and Human Resources globally. Thelen brings extensive experience



in the areas of acquisitions, capital markets, accounting and financial planning, upon which he will draw to support NAI's aggressive growth plans. He will focus on external growth through acquisitions and be a key liaison to all stakeholders.

www.nai-group.com



April 11, 2022

# Schulties & Garrison to Address at WAI's Operations Summit & Wire Expo 2022

The Wire Association International (WAI), Inc., Madison, CT, USA, reports that two keynote speakers are scheduled to present on consecutive days at its *Operations Summit & Wire Expo*, at the **Hyatt Regency Dallas**, Dallas, TX, USA, June 7 to 8, 2022.

Attendees on Tuesday, June 7, will hear, "The new normal in raw mate-

rial procurement for the wire and cable industry", by keynote speaker, **Brian Schulties**, the Chief Procurement Officer for **Prysmian Group** 



**North America**. He will offer insights into the opportunities and challenges facing the supply chain in the wire and cable industry in this era of tight supplies.

Attendees on Wednesday, June 8, will hear, "Leadership in a volatile world", by keynote speaker, **Ty Garrison**, Senior Vice President of Operations,

at Commercial Metals Company. He will discuss how the last few

years have strained businesses across the globe as COVID forced companies to deal with events like virtual work, burn out. unprecedented



supply chain disruptions and volatile markets. The need to successfully navigate these situations puts immense pressure on leadership at every level of an organization. When we shift our mindset and view the pressures of leading a team as a privilege rather than a burden, leaders rise to the occasion and companies thrive.

View the full program and event details at: www.wireexpo22.com



# Record results for HUBER+SUHNER in 2021

The year 2021 was the best financial year in the history of HUBER+SUHNER. In an environment beset by uncertainties, the company's strong focus on the needs of its customers resulted in significant

ChromaQuasar

• Specially engineered PE color concentrates

• For use with moisture-cure silane grafted XLPE compounds in wire and cable.

CONTACT US NOW chromacolors.com

TIPS & DIES INC.

Extrusion Systems and Tooling for the Wire and Cable Industry

Technology that modernizes plant efficiency with increased productivity, reduced scrap and quality that meets and exceeds

www.tipsanddies.com

505 Mill Street, Rome, NY 13440 Phone: 315-337-4161

growth across all key indicators.

# **HUBER+SUHNER**

In 2021, order intake rose by 33.1% to CHF 995.6 million (CHF 748.2 million in 2020). The basis for this was significantly higher activity in many target markets, of which the company successfully took advantage. Net sales was CHF 862.9 million, for a 16.9 % increase over last year's CHF 737.9 million. Also, the operating profit (EBIT) of CHF 104.6 million is a record figure for the company. The firm's net income rose by some two thirds to CHF 87.3 million (compared with CHF 52.3 million last year).

www.hubersuhner.com

**Quality** Compounding for the Wire & Cable Industry



108 Rado Drive, Naugatuck, CT 06770 Tel: +1 203-723-2590 www.ElectricCableCompounds.com

# Notebook

Nexans Wins USA Cables Contract & Completes Acquisition of Centelsa

**Nexans**, Paris, France, has won a contract with **Ørsted** and **Eversource** to install and protect the export cable link

for the Revolution JVexans
Wind Farm. This project will
connect the wind farm to the
onshore grid and help the USA
states of Connecticut and Rhode
Island to achieve ongoing commitments to develop offshore
wind. This will be Nexans' first
cable installation project in the
USA as part of the frame agreement with Ørsted-Eversource.
Nexans also approunces the

Nexans also announces the successful completion of its acquisition of **Centelsa**, a premium cable manufacturer in Latin America specializing in building and utilities applications, from **Xianux S.A.** of Mexico.

This transaction completes a milestone of Nexans' strategy to become a Pure Electrification Player focusing on the overall value chain originating in generation, flowing through transmission, distribution and usage of sustainable energy. With turnover of US\$339 million in 2021, Centelsa's three plants in Cali, Colombia and distribution center in Ecuador complements Nexans' presence in Latin America.

www.nexans.com



Specialty Additives: Zinc Oxide Peroxides, Co-agents, Silica, FRs, etc.

(330) 653-8341 www.liandacorp.com



April 11, 2022

# Notebook

# Commission Brokers Liquidating New England Wire Maker on April 12

Commission Brokers Inc., Cranston, RI, USA, in association with Perfection Industrial Sales, of Elk Grove Village, IL, USA, has announced the equipment liquidation from a major New England-based wire fabricator, specializing in nickel, silver and tin-plated wire.



## COMMISSION BROKERS, INC.

The equipment to be available includes single-wire and multi-wire drawers; double-twist bunchers; tubular stranders silver, nickel and tin-plating systems; bobbin winders; annealing; reels and spools; filtration systems; and all plant support, machine shop, etc.

All of the available equipment is offered as-is and where-is, subject to prior sale.

The equipment auction takes place April 12, 2022, at 11 AM ET. Details are available at:

www.perfectionmachinery.com/ auctions/listings/

Or contact **Martin Kenner** at Commission Brokers Inc. by phoning **+1 401 943 3777** for complete information, or email **mkenner.commissionbrokers@cox.net** or **marty137@aol.com**. www.commissionbrokers.com



## **Southwire Acquires Novinium**

Supporting the company's growth strategy and strengthening its commitment to remain generationally sustainable, **Southwire**, Carrollton, GA, USA, is pleased to announce the acquisition of **Novinium Holdings, Inc.** of Kent, WA, USA, a cable rejuvenation solutions provider focused on electric utilities.

Novinium is the only full-service underground expert that partners with utility companies to keep their distribution system operating at peak performance,

using the most capitally efficient and environmentally friendly methods available. Novinium continues to advance its cable rejuvenation technology, methods and delivery through its signature CableCure™ service.

"We are very excited about the acquisition of Novinium at Southwire. Novinium's cable rejuvenation system which extends the life of underground cables is an amazing value proposition for our existing and prospective customers whom we aim to serve," said **Thomas Courtney**, Southwire Vice President of Services. "This acquisition reaffirms Southwire's leadership in the cable industry and will be a foundational element for the further development of field services within the newly formed **Southwire Service & Solutions** business."

www.southwire.com



## The Copper Club to honor lván Arriagada for his service

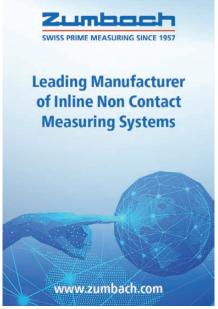
The Copper Club, Inc. has announced its selection of the 2022 Ankh Award recipient, Iván Arriagada, Chief Executive Officer for Antofagasta PLC. The award will be presented at The Copper Club's Annual Dinner, on June 8, 2022, at The Pierre Hotel in New York City, NY. USA. Arriagada will be honored in recognition of his outstanding service to the copper mining industry and for his leadership, contributions and passion for promoting the benefits of copper and its critical role in shaping a more sustainable future. Attendees at this special event include industry leaders from the mining, refining and smelting, fabri-

THIS IS
WHERE
COPPER
WORKS.

SDI LAFARGA
COPPERWORKS

cating, manufacturing and financial services sectors from around the world. The prestigious Ankh Award has been bestowed every year since 1962 to professionals who have made extraordinary contributions to the copper industry.

Copper Club Chairman Stephen T. Higgins, said, "The Board of Director's selection of Iván Arriagada as the 2022 Ankh Award recipient



April 11, 2022

## **LEONI Joins Autonomous Trucks Project**

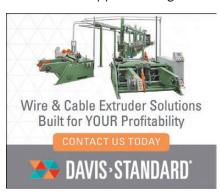
MAN Truck & Bus, LEONI, Knorr-Bremse and Bosch are joining forces for greater safety, flexibility and efficiency in logistics. Together with automated logistics provider, Fernride, and test tool manufacturer, BTC Embedded Systems, they aim to have autonomously driving trucks on the highway for the first time by the middle of this decade in the ATLAS-L4 project. The Fraunhofer-Gesellschaft, the Technical University of Munich (TUM) and the Technical University of Braunschweig are providing scientific support for the project, while TÜV SÜD and Autobahn GmbH are contributing their expertise with regard to practical feasibility and the approval process.

The ATLAS-L4 research and development project intends to demonstrate that the use of Level-4 automated and thus driverless vehicles on the highway is feasible, laying the foundation for innovative transport and logistics concepts. www.leoni.com



recognizes the exceptional leadership that Iván has demonstrated not only at Antofagasta, but within the industry. I have had the privilege to work with Iván for many years through the International Copper Association and have seen his ability to bring the industry together in pursuit of common goals. We are pleased to again meet in person following a two-year COVID break to recognize Ivan and reconnect with those in our industry."

www.copperclub.org





Specializing in Equipment for the Wire & Cable Industry. • Appraisers • Auctions • Individual Pieces or Entire Plants

+1.401.943.3777: phone +1.401.943.3670: fax e-mail: MARTY137@AOL.COM

# Superior Essex opens global IT shared service center

Superior Essex Inc., Atlanta, GA, USA, has established a Global Information Technology Shared Service Center in Europe, located in the Serbian capital city of Belgrade, with the aim of offering an extended scope of IT services to our operations worldwide.

Employees of Superior Essex Inc., and all subsidiaries including Essex Furukawa Magnet Wire, Superior Essex Communications, Essex Brownell, Essex Energy Italy, IVA as well as Hi-Wire, should expect to see expanded service in the following Global IT key functions/areas: IT Service Management and Support; IT Governance and Project Management Office; Business Intelligence & Data Analytics; and Digital Transformation Services.

Superior Essex has over 3000 em-



"Your one-stop supplier of high-quality, global-value, second-hand nonferrous wire & cable equipment"

100 Franklin Street Bristol, CT 06010 USA T: +1 860 583 4646 • F: +1 860 589 5707

E-mail: info@wireandplastic.com Website: www.wireandplastic.com

# **Notebook**

Prysmian Completes North
Sea Link Ahead of Schedule
Prysmian Group announces the
successful completion ahead
of schedule of the Prysmian
world's longest
submarine electricity interconnector between the UK and Norway. The North Sea Link enables
sharing of renewable energy
between the two countries for
the first time, supporting both in
the journey to net zero.

In 2015, Norwegian system operator **Statnett** and UK-based **National Grid** awarded Prysmian Group a €550 million project to complete Lots 2 and 3 of North Sea Link, equating to approximately 950 km of subsea HVDC cables manufactured in Prysmian's Arco Felice Factory in Naples and installed in the North Sea over a 720 km route.

"We are delighted to have delivered such a remarkable project on time, respecting the highest health, safety and quality standards. The plan in 2015 was to finish the work in line for commissioning in 2021. While the time scale looked quite healthy, the initial years were committed to design and manufacture of the system and how best to execute the work once the cable was manufactured," says Massimo Galletta, Project Manager.

www.prysmiangroup.com







Packaging innovation from the inside, out.

www.REELEX.com

April 11, 2022

# Notebook

# Hexatronic Offers New Super-Slim Micro Cables

**Hexatronic** Viper series micro cables now feature a new range of even slimmer high-performance cables.

The new cables utilize bendinsensitive 200 µm fibers (G.657. A1), fully compatible with legacy fibers. Compared to 250 µm fibers, the 200 µm technology enables extremely slim

cable designs that can be installed in super slim micro ducts. This results in lower handling



and transportation cost as well as lower total carbon footprint. The micro cables range from the ultra slim 72 fiber (4.3 mm) cable to the extremely fiber dense 864 fiber cable (11.7 mm).

www.hexatronic.com

# New Datwyler Unshielded Category 6A Solution

**Datwyler IT Infra** provides a complete portfolio of unshielded Ca. 6A products for organiza-



tions wanting to set up a highperformance un-

shielded copper data network. They enable high transmission rates up to 10 gigabits/second and allow integration of speech (voice over IP), video (CCTV) and other multimedia applications.

itinfra.datwyler.com

# THERMOPLASTICS ENGINEERING CORPORATION CUSTOM-CABLING AND EXTRUSION MACHINERY

Thermoplastics Engineering Corporation is a United States manufacturer providing a wide range of products and solutions for the Wire and Cable/ Fiber Optic industries. For over 30 years, TEC has engineered high quality, custom machinery for Extrusion, Cabling, as well as servicing the Plastics Market for Tubing, Profile, and Compounding machinery.



ployees in 11 countries, on three continents. Superior Essex is the leading, global provider of magnet wire and is on the forefront of communications fiber application as well as Power over Ethernet (PoE) technology. The company is committed to pioneering smart building technology while also setting the pace on sustainability.

www.superioressex.com

# Prysmian reports record project orders along with record results in 2021

The Prysmian Group, headquartered in Milan, Italy, reports a record €4.8 billion in project orders secured by the company in 2021.

Prysmian Group

Record sales were €12,736 million, organic growth was +11.0% (excluding the projects segment) and the adjusted EBITDA was €976 million up 16.2% versus 2020's updated guidance of some €920 million to €970 million.

The Group's net profit increased to €308 million from €178 million up by 73% in the previous year.

Prysmian reported solid performance across all of its businesses, with strong execution in Projects in the fourth quarter. The company reports strong cash flow generation, with free cash flow at €365 million (excluding cash flows due to acquisitions, disposals and antitrust-related issues).

The proposed dividend has in-

creased to €0.55 per share which is up 10% versus 2020.

"The recovery trend gained pace at the end of the year, allowing the Group to close 2021 with sharp growth in revenue and exceed the guidance previously announced to the market," said Prysmian CFO Valerio Battista. "For the first time, sales exceeded €12 billion, a record milestone, and adjusted EBITDA grew sharply, with stable margins despite significant rises in commodity prices. In particular, our results were driven by the resilience of the

# Ultrasonically weld 100 layers of foil to battery tabs & terminals and wire bundles up to 100 sq.mm cross-section



SONO DOND ULTRASONICS

**800-323-1269** www.SonobondUltrasonics.com







April 11, 2022

Sales & Net Income	Net Income					
Company	Sales	<u>%</u> ∆	(Net Loss)	<u>%</u> ∆		
Nortech Systems Incorporated	33	40.3	4.9	240.6		
RF Industries	17	69.1	(0.3)	31.3		
Latest Quarterly Sales/Net Income data in US\$ millions. $\%$ $\triangle$ relative to 2021 quarterly data.						

Energy business segment and the recovery in Telecom. With the aim of consolidating our position in the USA market, we are also planning to build a new submarine cable plant in the USA.

na.prysmiangroup.com

## Military cables to reach US\$26.2 billion by 2026

The "Military Cables Market by Product (Coaxial, Ribbon, Twisted Pair), Platform (Ground, Marine, Airborne), Application, Conductor Material (Stainless Steel Alloys, Aluminum Alloys, Copper Alloys), End User, and Region - Forecast to 2026" report has been added to ResearchAndMarkets.com's offering. The market for military cables, estimated at US\$22.1 billion in 2021, is projected to reach US\$26.2 billion by 2026, at a CAGR of 3.4%. The growth of this market is mainly driven by the modernization program and increasing procurement of military fleets due to growing transnational disputes to offer sev-





eral untapped opportunities.

The marine platform segment is estimated to lead the market durina the forecast period, with a share of 92.6% in 2021. Based on the conductor material, the copper alloys segment is projected to grow at the highest CAGR rate for the military cables market.

And the Europe market is projected to witness the highest CAGR from 2021 to 2026.

www.researchandmarkets.com

## Conference Calls & Webcasts...

- Insteel Industries Inc., Mount Airy, NC, USA, will hold a Q2 2022 earnings conference call to be webcast live over the internet on Apr. 21. 2022, at 10 AM ET. The conference call can be accessed on the company's website and will be archived for replay. investor.insteel.com
- Lear Corp., Southfield, MI, USA, will hold a conference call to review Q1 2022 financial results and related matters on May 3, 2022, at 8:30 AM ET. You can listen to the live audio webcast of the call, in listen-only mode (available for two hours following the call), on Lear's Investor Relations website at: ir.lear.com

## **Ouarterly Dividends Report...**

- Freeport-McMoRan Inc., Phoenix, AZ, USA, declared a dividend of US\$0.15/share on FCX's common stock payable May 2, 2022, to holders of record, Apr. 14, 2022. investors.fcx.com
- TE Connectivity Ltd., Schaffhausen, Switzerland, declared a dividend of US\$2.24/share to be paid in four equal quarterly installments of US\$0.56, as follows: Q3, FY 2022, on Jun. 3, 2022, to holders, May 20, 2022; Q4, FY 2022, on Sep. 2, 2022, to holders, Aug. 19, 2022; Q1, FY 2023, on Dec. 2, 2022, to holders, Nov. 18, 2022; and Q2, FY 2023, on Mar. 3, 2023, to holders, Feb. 17, 2023. www.te.com

## YOUR CABLE PRODUCTION PARTNERS









**Rotating Machines - Customer Services Customized bows for ALL BRANDS** 

Gauder Group Inc.

- US & Canadian Service Center 1207 Pebble Meadows Dr Lewisville, NC 27023 - USA
- +1 770 329 3653
- setic@setic.info

  www.setic-pourtier.com



# Notebook

**Draka Launches Cat.6A** U/UTP Copper Data Cable The Multimedia Solutions (MMS) BU of the Prysmian **Group** in Cologne, Germany, is launching Cat.6A U/UTP copper data cable featuring its proprietary Encapsulated Barrier (E1) technology.

The innovative new Draka Cat.6A U/UTP E1 combines the advantages of shielded and unshielded cables. The lightweight and easy-to-install copper data cable with diameters between 7.1 and 7.3 mm guarantees a high suppression of external noise influences. As the closed foil tape results in a higher heat dissipation, Draka E1 technology enhances the performance in Power over Ethernet (PoE) and fire protection.



The Cat.6A U/UTP cable with a halogen-free, flame-retardant LSHF protective jacket is available in CPR fire protection classes B2ca, Cca, Dca and Eca.

The AWG23 cable complies with the specifications according to ISO/IEC 11801 and IEC 61156.

www.draka-cable.com



Manufacturing and **Supplying High Quality Lubricants** Worldwide



# April 11, 2022

# IWCS Celebrates Women's History

In March 2022, IWCS was pleased to celebrate Women's History Month, highlighting the significant achievements and contributions that have been made by women. The 71st IWCS Cable & Connectivity Industry Forum, from October 10 to 13, 2022, in Providence RI, USA, will feature several new event components that recognize the plethora of contributions women have made to advance IWCS industries. An example of one of the new event components is a Technical Symposium session that features papers contributed by women. When submitting a technical paper abstract, authors have the option for their paper Join Me at the 2022 IWCS Forum presentation to

be included in this distinguished session. Save the dates to attend the event and sign-up to receive the e-mail newsletter for updates about registration, which will open soon. IWCS is committed to continuing to increase female participation.

www.iwcs.org

# ELECTRICAL CONFERENCE MAY 10-12: CONFERENCE MAY 11-12: EXHIBITION WIRED WISCONSIN CENTER MILWAUKEE, WI

## Europa Clipper Harness Engineer to Deliver the Keynote at EWPTE 2022

How will a spacecraft harness connect every electrical device on the Europa Clipper, a Jupiter-orbiting spacecraft that will study Jupiter's icy moon Europa? Jacklyn Perry, Harness Engineer at Johns Hopkins University Applied Physics Laboratory (JHU APL), Bannockburn, IL, USA, will provide the answer as she delivers the keynote address, "Harnessing Europa", at the Electrical Wire Processing Technology Expo (EWPTE), on May 11, 2022, organized by WHMA and IPC.



MAY 10: WORKSHOPS MAY 11-12: CONFERENCE & EXHIBITION

Perry has a master's degree in chemical engineering and works at JHU APL as Lead Engineer for the Propulsion Module Harness on **NASA's** Europa Clipper spacecraft and the Lander harness for the Dragonfly mission. The Europa Clipper program is a joint mission between the JHU APL and NASA's Jet Propulsion Laboratory. Perry leads the team working on the Europa Clipper's propulsion module harness.

www.electricalwireshow.com





# **EVENTS**

## May 10 - 12, 2022

Electrical Wire Processing Expo (EWPTE) Milwaukee, WI, USA www.electricalwireshow.com

#### May 18 - 20, 2022

Cable and Wire Fair 2022 New Delhi, India www.cablewirefair.com

## June 7 - 8, 2022

WAI Operations Summit & Wire Expo 2022 Dallas, TX, USA www.wireexpo22.com

### June 13, 2022

WCMA Golf Outing Wethersfield, CT, USA www.wcmainc.org

## June 20 - 24, 2022

wire 2022

Düsseldorf, Germany www.wire-tradeshows.com www.mfdna.com

#### June 28 - 29, 2022

Polymers in Cable 2022 Philadelphia, PA, USA www.ami-international

## September 13 – 15, 2022

Battery Show North America, Electric & Hybrid Vehicle Technology Expo, Novi, MI, USA www.thebatteryshow.com www.evtechexpo.com

## September 21 – 22, 2022

M-EXPO, Juarez, Mexico www.mexpowire.com

### September 26 - 29, 2022

wire China 2022 Shanghai, China www.wirechina.net www.mdna.com

## October 5 - 7, 2022

wire Southeast Asia 2022 Bangkok, Thailand www.wire-southeastasia.com

## October 10 - 13, 2022

IWCS 2022 Cable & Connectivity Industry Forum, Providence, RI, USA www.iwcs.org

## October 25 – 27, 2022

wire South America, Sao Paulo, Brazil www.wire-south-america.com www.mdna.com

## November 23 – 25, 2022

wire India 2021, Mumbai, India www.wire-india.com www.mdna.com



