

The header features a dark blue background with a glowing green globe and network lines. The WiMAX Forum logo is on the left, and the text 'wiMAX FORUM® NEWSLETTER' is on the right.

wiMAX FORUM® NEWSLETTER

APRIL 2021

IN THIS ISSUE

- **Introduction**
- **Industry Spotlight**
- **Events**
- **Membership Services**
- **Working Groups**
- **WiMAX Forum News**

INTRODUCTION

Dear Respected Colleagues,

The **WiMAX Forum** with the collaboration and participation of our **Board of Directors, Member Companies, Working Group Representatives**, and industry experts continue producing important work to increase awareness, support and advance Aeronautical Mobile Airport Communication System (**AeroMACS**), **WiGRID**, and the **WiMAX** technology while achieving important milestones and growing the market for ecosystem and our membership.

While we achieve important milestones and market growth, we see concrete results from our efforts and activities. We will continue working to leverage our services and position the WiMAX technology.

Last month, the World ATM Congress announced the 2022 dates shifted to summer, 21 – 23 June 2022 in a bid to get back to the regular March timeframe. World ATM Congress 2023 will then return to March. They are still planning to hold an in-person event later this year on 26 – 28 October 2021, on the assumption that circumstances will allow it at the time. To read the complete announcement, please click [here](#).

This month, the Integrated Communications Navigation and Surveillance (ICNS) Conference, focused on the future of ATM, was held virtually on April 20-22. The 2021 ICNS Conference theme is "Agility and Sustainability: Embracing Rapid Evolution and Uncertainty" and it included an AeroMACS presentation from ENRI entitled "Flight Tests for Expanding AeroMACS Coverage and Air-Ground SWIM Demonstration." AeroMACS - WiMAX Forum was a sponsor and supporting organization. For more details, please visit: <https://i-cns.org/>.

The WiMAX Forum is well positioned to develop opportunities to grow business and leverage its stakeholders. If you are interested in publishing an AeroMACS article in a well know magazine, please contact us at Info@wimaxforum.org and we will be happy to speak with you about this opportunity.

We will keep busy preparing for exciting meetings and events in person and virtually to raise awareness about the benefits of the AeroMACS and WiMAX technology. Please stay tuned and for more information, visit our **Website** at WiMAXForum.com, **YouTube Channel** and Social Media (**Facebook**, **LinkedIn** and **Twitter**).

To foster a prosperous environment and future for the WiMAX ecosystem, the WiMAX Forum with the participation of our Member Companies will host, attend, and participate globally with speakers in key industry events. Through our events, speaking opportunities, seminars, and webinars, we are reaching out to diverse audiences in the WiMAX community. For more information about our participation and future events, please visit: **WiMAX Forum Events**.

Please reach out to us if you have any questions or comments. We at the WiMAX Forum wish you a great end of month and hope to see you soon!

Best Regards,
WiMAX Forum

INDUSTRY SPOTLIGHT

The WiMAX Forum maintains a bustling schedule of public appearances, white paper publications, webinars, and press releases on behalf of our industry. Below you can find the most relevant activities and latest communications.

• **Senza Fili Sparring Partners | Wireless connectivity in airports with AeroMACS**

Wireless connectivity in airports is crucial to ensure safety, smooth air traffic and operations, and services for passengers and tenants. How can airports use AeroMACS to get the connectivity they need? Declan Byrne, WiMAX Forum, Pedro Ponte, Lisbon Airport and Antonio Correias, Skymantics, and Monica Paolini, Senza Fili, talk about the role of AeroMACS in private networks in airports and reflect on the lessons learned from initial deployments.

To review the webinar on YouTube, please click [here](#).

• **Leonardo's technology chosen to strengthen the Italian airport systems**

Leonardo has strengthened its market position in the airport sector by signing contracts with SEA and SACBO, the respective management companies for Milan Malpensa and Milan Bergamo airports. Malpensa and Bergamo are the second and third busiest airports in Italy. At Milan Malpensa, Leonardo will replace most of the existing baggage handling infrastructure with a high-tech new system.

To read complete announcement, please click [here](#).

EVENTS

In the coming months, the WiMAX Forum will host, participate, attend, and support events globally. We continue our efforts to bring you quality conferences hosted by the WiMAX Forum, and we will present and participate at key industry events. The WiMAX Forum team looks forward to seeing you at these events.

Upcoming Events:

	<p>July 1-2, 2021 Berlin, Germany For more information visit: Cognitive Manufacturing</p>
	<p>July 29-30, 2021 Austin, TX For more information visit: Connected Manufacturing</p>
	<p>October 5-7, 2021 Barcelona, Spain For more information visit: IoT Solutions World Congress</p>

The WiMAX Forum plans to host and participate in other events over the course of the year. As details concerning these events are finalized, we will be certain to keep you informed. **For more information about our events, please visit: [WiMAX Forum Events](#).**

MEMBERSHIP SERVICES

The **WiMAX Forum Membership** provides a wide range of **benefits and services** that promote growth and innovation of AeroMACS, WiGRID, and WiMAX technology.

Only WiMAX Forum Members can **certify** products to guarantee interoperability and standard compliance for AeroMACS, WiGRID, and WiMAX; secure networks using **Public Key Infrastructure (PKI)** certificates; develop technical specifications; influence favorable regulatory environments; and contribute to the growth of the industry through standards development that satisfy the market needs, among other advantages.

The WiMAX Forum is committed to delivering the value necessary for our members to get the most from their membership, and we are always engaging with individual members to discuss how we can better serve them. If you are interested in speaking with our leadership team on our specific initiatives or have any questions, please send a message to Membership@wimaxforum.org.

The WiMAX Forum is the best place to access, leverage, and influence the growth and development of the AeroMACS, WiGRID, and WiMAX Technology. So be a leader and step up to get involved today!

WORKING GROUPS

The WiMAX Forum organizes its technical activities through a number of Working Groups, that produce technical requirements, develop technical specifications, and advise the Forum. The Working Groups are currently focused on a number of activities to promote growth and innovation of **AeroMACS** and **Smart Energy** markets, through product certification and various spectrum access solutions. The **WiMAX Forum Working Groups** are key to the development of WiMAX technology and participation is open to all WiMAX Forum Members.

The Aviation Working Group (AWG) members and industry experts have been collaborating to demonstrate the immense potential and benefits of AeroMACS as the technology selected to support the safety and regularity of flights. AWG members are currently working on several key projects including: the development and maintenance of specifications related to AeroMACS Product Certification, AeroMACS Public Key Infrastructure (PKI), FCC AeroMACS Petition for Rulemaking, Virtual Conferences, Webinars and other initiatives to support AeroMACS as the standard selected to improve communications at the airport surface.

AeroMACS continues gaining momentum and adding value to the broader aviation industry. Leonardo has announced a contract with SEA and SACBO to provide a surveillance system at Milan Malpensa. The solution includes AeroMACS, the technological pillar of Europe's ambitious Single European Sky (SES) initiative. Siemens has received complete AeroMACS certification, and other manufacturers are currently in the AeroMACS Designated Certification Laboratory (**ADCL**) completing testing to receive full AeroMACS Certification. The AeroMACS certification process is based on standards defined by the aviation industry and includes AeroMACS PKI that enables users to securely and privately exchange data through the use of a public and a private cryptographic key pair.

The **AeroMACS PKI** is provided by the WiMAX Forum in partnership with **Eonti** as the Management Authority (MA). Eonti is responsible to manage and implement AeroMACS PKI to ensure AeroMACS operational networks are secure. AeroMACS PKI is commercially available and an overview of the AeroMACS PKI process is available here: **[AeroMACS PKI Users Overview](#)**.

The WiMAX Forum and Smart Energy Working Group (SEWG) members are working with IEEE to bring to market devices for narrowband applications and other sub 1GHz spectrum. The IEEE 802.16t project specifies operation in licensed spectrum for mission critical entities that have a strong preference for private, licensed networks for their data communications needs. If you are interested in participating on this activity, please contact us.

The WiMAX Forum Working Groups is chartered to bring industry leaders together to collaborate and contribute to the development of technical specifications, technical requirements, harmonization of documents, and provide coordinated recommendations to advise the Forum. For more information on our Working Groups, please visit: **www.wimaxforum.org/Page/About/Working-Groups**.

It is a crucial time for your organization to participate, influence and leverage the Working Groups activities, and contribute to the development of the market. If you are interested in participating in our

Working Groups, please contact us at info@WiMAXForum.org and we will be happy to speak with you about this opportunity.

Working Group activity is integral to the success of the Forum, and your participation is important!

WiMAX FORUM NEWS

The WiMAX Forum weekly Newsbrief contains the summary of news from around the WiMAX ecosystem and is intended as a benefit to our community. If you do not yet receive the Newsbrief and wish to do so, please sign up here: [WiMAX Newsbrief](#).

Below is a summary for the month of April:

- **The application of AeroMACS, a new wireless communication technology, at domestic and foreign airports**
- **ICAO Council President highlights challenges and path forward for post-pandemic aviation**
- **This IoT Day, Don't Forget to Discuss Device Security**
- **Air transport is critical to the world's recovery from COVID-19**
- **Aviation Industry Lacks Cohesive Cybersecurity Approach**
- **Leaving COVID behind: Preparing for recovery**
- **Moving Beyond NextGen: ATCA's Blue Skies Initiative**
- **Chinese airlines hope to narrow loss by coming holidays**
- **ACI World data reveals COVID-19's impact on world's busiest airports**
- **ICAO stresses importance of government and industry partnership to global cyber resilience**
- **How the Certificate Authority plays a critical role in identity with DigiCert's Dean Coclin – Podcast Episode 18**
- **What role will Siemens play in Biden's infrastructure boost plan?**
- **1/3 Of The Current Global Airline Fleet Is In Storage: 10,000 Planes!**
- **RTCA April 2021 Digest**
- **Passenger demand continues to struggle**
- **Time to get flying again**
- **27 Chinese airports report passenger throughput over 10 million in 2020**
- **Airports, Unmanned Aircraft and Uncertainty**
- **PKI: Securing a variety of use cases in today's digital organizations**
- **VINCI Airports wins the concession of Manaus airport and 6 other airports in Brazil**
- **ATM industry survey**
- **Easter Pushes US Passenger Numbers To Record Highs**

- **From record profits to Covid-19 devastation, de Juniac saw it all as IATA chief**
- **COVID phishbait (don't bite). REvil ups its offerings. Inside the crooks' encrypted comms. Hacktivists breach security camera feeds**
- **Digital solutions**
- **JSfirm Survey Sees Optimism for Growth, Hiring Plans**
- **Negative Passenger Demand Trend Continues in February**
- **How DigiCert Ensures the Integrity of Certificates: FAQs about DigiCert Compliance & Infrastructure**
- **The business of freedom will fly again: Alexandre de Juniac, IATA Director General and CEO**
- **FAA Awards \$627.7 Million in Airport Improvement Grants**
- **ACI World sees US\$94 billion loss for airport industry in 2021**
- **Chinese Airports Show Signs of Recovery**
- **Biden Floats Infrastructure Plan Including \$25 Billion For Airports**
- **European travel recovery disappointing, industry officials say**
- **March 2021 WiMAX Forum Monthly Newsletter**



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