

TANTALUM-NIOBIUM
INTERNATIONAL STUDY CENTER

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TIC

2026 ANNUAL REPORT



**Presented at the 67th General Assembly of the
Tantalum-Niobium International Study Center (T.I.C.)**

Yinchuan, China, September 13th-16th 2026

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Contents

4	President's Welcome
5	About the T.I.C.
6	Who is the T.I.C.?
7	Executive Committee, Subteams and Officers
9	Presidents of the Association
10	Executive Marketing Manager's Report 2025-2026
11	The Anders Gustaf Ekeberg Tantalum Prize
12	General Assemblies and Symposia
15	Speakers' Biographies
20	Directory of Members
32	Antitrust Compliance Policy
33	Benefits of T.I.C. Membership
34	Applying for T.I.C. Membership

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President's Welcome

A Strong and Successful Year for the Tantalum and Niobium Industry



The past year was a strong and encouraging one for the global tantalum and niobium industry. Demand remained solid across key markets, supporting a healthy business environment for producers, processors, recyclers and other participants throughout the value chain.

This positive market environment was reflected in continued investment and project development. Growing demand and the increasing importance of secure and diversified sources of supply encouraged new activity across the supply chain, demonstrating confidence in the long-term importance of tantalum and niobium.

The year also presented challenges. Geopolitical developments continued to influence global trade and supply chains, while tariffs and other trade measures added complexity to international business. Despite these pressures, the industry demonstrated resilience and maintained a stable market environment.

An encouraging development was the growing interest in projects where tantalum and niobium can be recovered as by-products. Such opportunities can make better use of available resources while contributing to greater diversification of supply. At the same time, secondary materials and recycling continued to gain importance, supporting more sustainable and efficient use of raw materials across the value chain.

For the Tantalum-Niobium International Study Center (T.I.C.), the past year was equally active and productive. A key priority has been strengthening the visibility and understanding of tantalum and niobium, including their importance beyond traditional applications. The T.I.C. has also continued to engage closely with stakeholders throughout the supply chain, facilitating information exchange and deepening understanding of these metals and their role in global supply chains.

Looking ahead, the outlook remains positive. Strong demand, continued investment, increasing diversification and wider use of secondary materials provide a solid foundation for future industry development.

The T.I.C. will continue to strengthen communication and engagement across its global community. A new student programme currently in development will introduce tantalum and niobium, and their applications, to universities and students. The initiative aims to inspire the next generation, encourage greater interest in the industry and highlight the opportunities it offers.

Overall, the resilience, investment and innovation demonstrated over the past year give confidence that tantalum and niobium will remain important materials for the technologies and industries of the future.

Silvana Fehling - President

About the T.I.C.

Since its founding, the TantalumNiobium International Study Center (T.I.C. or Association) has grown and developed to encompass the changing nature of the tantalum and niobium industries and will continue in the same spirit in facing future challenges. Today our membership represents every aspect of the global tantalum and niobium industries.

The Association

- An international, nonprofit association founded in 1974 under Belgian law.
- Around 80 members from 30 countries involved with all aspects of the tantalum and niobium industry supply chain (including mining, trading, processing, recycling, metal fabrication, capacitor manufacturing, medical...).
- The Association is run by its Executive Committee, whose officials are elected annually by the members. The Committee reflects the range of members' activities and their geographic spread.
- The Committee is led by the President. Presidents have been drawn from all sectors of the industry and from many parts of the world (see page 9).
- The T.I.C.'s office is comprised of the Secretary General, the Executive Marketing Manager/Technical Officer.

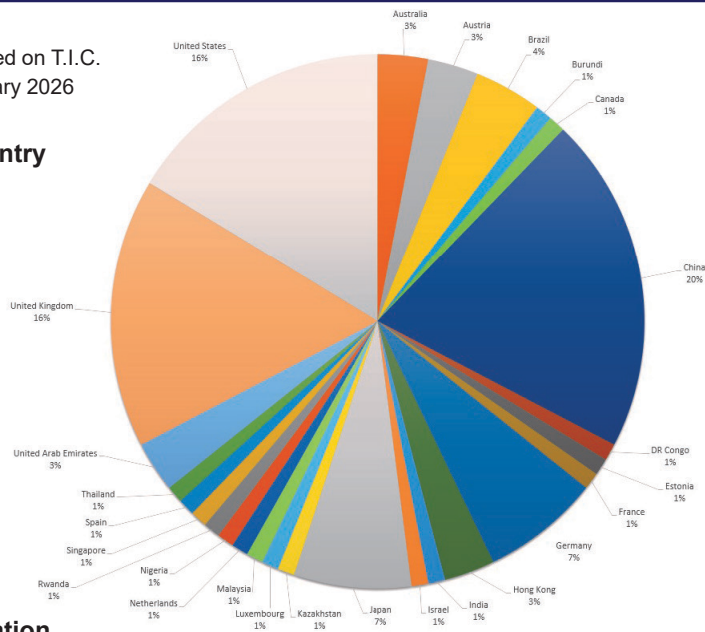
Objectives

- Increase awareness and promote the remarkable properties of tantalum and niobium in all their forms.
- Disseminate information on any matter affecting that industry, excluding price and related information and any other proprietary information.
- Address major issues and challenges facing its industry, including critical raw material and conflict minerals legislation, artisanal and smallscale mining (ASM) and transporting naturally occurring radioactive materials (NORM).
- Organize a General Assembly of the membership in September or October each year for technical presentations and members' annual general meeting. Often the location is chosen to allow a tour of a member company or industrial facility.
- Publish a biannual newsletter, the Bulletin, covering interesting and informative articles about the T.I.C. and the global tantalum and niobium industries.

Who is the T.I.C.??

This snapshot is based on T.I.C. membership in January 2026

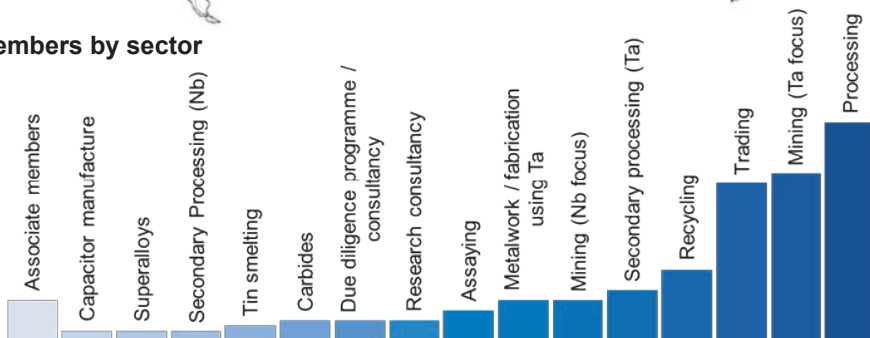
Members by country



Members by location



Members by sector



Executive Committee, Subteams, Officers

Executive Committee

The Executive Committee is drawn from the membership. Committee members may be, but need not also be, the delegates of member companies. The Executive Committee named here was elected by the T.I.C. members at the 64th General Assembly, and consists of (in alphabetical order of member's surname):

Jiang Bin	jiangb_nniec@otic.com.cn
Fabiano Costa	fcosta@amgbr.com
Silvana Fehling (President)	silvana.fehling@taniobis.com
Ronald Gilerman	ronald.gilerman@armerchants.com
David Gussack	david@exotech.com
Belinda Huang	belindahuang@ximeigroup.com
Nancy Nan	nancy@jiujiangjx.com
Robert Marchiando	robert.marchiando@materion.com
Candida Owens	candida@petrusminerals.com
Daniel Persico	dfpersico@gmail.com
Thomas (Marc) Runyan	marc.runyan@yageo.com
David Tkach	David.Tkach@vishay.com



Fabiano Costa



Silvana Fehling
(President)



Jiang Bin



David Gussack



Belinda Huang



Nancy Nan



Robert
Marchiando



Candida Owens



Daniel Persico



Thomas (Marc)
Runyan



Ronald
Gilerman

The 2025-26 Executive Committee

The 2026 election to the Executive Committee takes place on September 14th during the Association's annual general meeting (AGM) at the 67th General Assembly held in Yinchuan, ChinaSouth Africa. Those elected stand for one year and there is a maximum of twelve members, according to our Charter of association. Members who wish to make nominations to serve on the Executive Committee must do so at least one month before the annual general meeting.

Subteams

Subteams are advisory groups tasked by the Executive Committee with specific projects. In September 2026, the following subteams were operational:

Marketing:

Ronald Gilerman
Robert Marchiando
Ian Margerison
Heather Margerison

Meetings:

Fabiano Costa
David Gussack
Candida Owens

Supply Chain:

Silvana Fehling
Ronald Gilerman
Candida Owens
Heather Margerison

Statistics:

Ian Margerison
Silvana Fehling

We are always looking for enthusiastic T.I.C. members to join our range of subteams. If you are interested, please contact Heather Margerison.

Officers of the T.I.C.

At the 67th General Assembly, held in September 2026, the officers were:

Secretary General

Heather Margerison heather.margerison@tanb.org

Executive Marketing Manager/Technical Officer

Ian Margerison ian.margerison@tanb.org

The T.I.C. staff team



The T.I.C. also works regularly with several specialist consultants to advance the Association's goals.

Presidents of the Association

1974	Cornelius Herkströter, Thaisarco
1975	Herman BeckerFluegel, National Resources Trading / Tanco
1976	Paul Leynen, Zairetain
1977	Reinhard Deil, GfE
1978	Joseph Abeles, Kawecki Berylco Industries
1979	Brian Reynolds, Thaisarco
1980	George Korinek, Hermann C. Starck Inc.
1981	Conrad Brown, Fansteel
1982	John Linden, Greenbushes Tin
1983	Robert Franklin, STC Components
1984	Carroll Killen, Sprague Electric Company
1985	Chikara Hayashi, Vacuum Metallurgical Company
1986	Rod Tolley, Datuk Keramat Smelting
1987	HansJürgen Heinrich, GfE
1988	Harry Stuart, Niobium Products Company
1989	George Korinek, NRC
1990	Peter Adams, Thaisarco
1991	Yoichiro Takekuro, Vacuum Metallurgical Company
1992	Peter Maden, Vishay Sprague
1993	Hubert Hutton, SogemAfrimet
1994	Peter Kählert, H.C. Starck GmbH
1995	Robert Barron, Cabot Performance Materials, David Maguire, KEMET
1996	Yeap Soon Sit, S.A. Minerals
1997	William Millman, AVX
1998	John Linden, Sons of Gwalia
1999	Charles Culbertson II, KEMET Electronics
2000	Thomas Odle, Cabot Performance Materials
2001	Axel Hoppe, H.C. Starck GmbH
2002	Josef Gerblinger, Epcos
2003	David Reynolds, KEMET Electronics
2004	William Millman, AVX
2005	William Millman, AVX
2006	Axel Hoppe, H.C. Starck GmbH
2007	William Young, Cabot
2008	José Isildo de Vargas, CBMM
2009	Richard Burt, GraviTa Inc.
2010	Richard Burt, GraviTa Inc.
2011	José Isildo de Vargas, CBMM
2012	Daniel Persico, KEMET Electronics
2013	Daniel Persico, KEMET Electronics
2014	David Henderson, Rittenhouse International Resources
2015	David Henderson, Rittenhouse International Resources
2016	David Henderson, Rittenhouse International Resources
2017	John Crawley, Minerals Resources International AG
2018	John Crawley, Minerals Resources International AG
2019	Daniel Persico, KEMET Electronics
2020	Daniel Persico, KEMET Electronics
2021	Daniel Persico, KEMET Electronics
2022	Daniel Persico, KEMET Electronics
2023	Daniel Persico, KEMET Electronics
2024	Daniel Persico, KEMET Electronics
2025	Silvana Fehling, TANIOBIS GmbH
2026	Silvana Fehling, TANIOBIS GmbH

Executive Marketing Manager/ Technical Officer Report 2025-2026

Dear Members and Stakeholders,

Well, what a year it has been!

As the northern European summer draws to a close, 2026 will certainly be remembered for the weather — or, more accurately, the lack of it! We have experienced a record drought across much of northern Europe, and I am sure many of us are now hoping that the rain remembers where we live. Perhaps by the time you read this, it will have returned!



From the dry conditions in Europe, we now head to Yinchuan, China, for GA67, from 13th to 16th September 2026. I am really looking forward to welcoming members and friends from around the world.

It has been another very busy year for the T.I.C. Our industry continues to face supply-chain challenges, geopolitics, tariffs, regulation and the growing focus on critical raw materials. But there is plenty of positive news too. Demand for tantalum and niobium remains strong, new projects continue to emerge, and interest in supply diversification, recycling and by-product recovery is growing.

The T.I.C. team has also been busy engaging with governments, regulators, international organisations and companies around the world, helping to ensure that tantalum and niobium are better understood outside our immediate industry. Sometimes this involves very technical discussions, sometimes complicated political ones, and occasionally just explaining what tantalum actually is!

We are also developing a new student programme to introduce tantalum and niobium, their applications and our industry to universities and students. We need to encourage the next generation to take an interest in our industry and the opportunities it offers.

GA67 will give us another great opportunity to meet face to face, exchange information, discuss business and, hopefully, enjoy some time together. I am particularly pleased that we are holding the conference in Yinchuan, an important part of China's mining and metals sector.

And yes, the T.I.C. team is already thinking about what comes after GA67. It never stops! By the time one conference finishes, we are usually already worrying about the next one.

Please come and find me during GA67. Your feedback, ideas and suggestions are always welcome — positive or otherwise!

Finally, thank you to all our members and stakeholders for your continued support. I look forward to seeing you all in Yinchuan, catching up with old friends, meeting new ones and, hopefully, enjoying some sunshine!

Warmest regards

Ian

The Anders Gustaf Ekeberg Tantalum Prize

In 2018 the T.I.C. established an annual science award to recognise excellence in tantalum research and innovation, as part of our aim to increase awareness of the many unique properties of tantalum products and the applications in which they excel*.

It was named the Anders Gustaf Ekeberg Tantalum Prize ('Ekeberg Prize') in honour of the Swedish chemist who discovered tantalum in 1802. The medal, made by the Kazakhstan Mint from pure tantalum metal, is awarded to the lead author of the winning publication at our General Assembly each year.



The shortlist

This year there were five publications shortlisted for the prize, showing the great versatility of tantalum. The subjects covered by the shortlisted publications included additive manufacturing, thermal actuators, chemical processing and thin film. Full details and links to all shortlisted publications can be found at www.tanb.org/view/prize.

The judging procedure

The shortlist is judged by an independent panel of experts who have been selected from around the world to provide an impartial assessment on the technical merit of the shortlisted papers. The T.I.C. acts as secretariat to the Ekeberg Prize but is not involved in the judging process.

In 2026 the T.I.C. was privileged to have on the panel (alphabetical by surname):

- **Peter J. Bonitatibus Jr., Ph.D.**, Associate Professor in Chemistry, Rensselaer Polytechnic Institute, USA
- **Dr Philip Lessner**, Consultant, USA
- **Magnus Ericsson**, Luleå University of Technology, Sweden
- **Professor Toru Okabe**, The University of Tokyo, Japan
- **Tomáš Zedníček Ph.D.**, European Passive Components Institute (EPCI), Czech Republic

*Although the T.I.C. represents and supports both tantalum and niobium equally, the Ekeberg Prize will focus only on tantalum, but this is only because CBMM's Charles Hatchett Award (www.charleshatchett.com) already does an excellent job of recognising niobium published research.

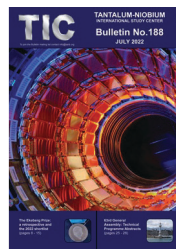
General Assemblies and Symposia

General Assembly	Symposium	Month and year	City and country
1st		March 1974	Brussels, Belgium
2nd		September 1974	Brussels, Belgium
3rd		March 1975	Brussels, Belgium
4th		September 1975	Brussels, Belgium
5th		March 1976	Brussels, Belgium
6th		October 1976	Brussels, Belgium
7th		May 1977	Winnipeg, MB, Canada
8th		October 1977	Brussels, Belgium
9th	1st	May 1978	Nürnberg, West Germany
10th		October 1978	Brussels, Belgium
11th		May 1979	Perth, WA, Australia
12th		October 1979	Brussels, Belgium
13th		May 1980	Torquay, United Kingdom
14th		October 1980	Brussels, Belgium
15th		May 1981	Goslar / Bad Harzburg, West Germany
16th		October 1981	Brussels, Belgium
17th		June 1982	Tulsa, OK, United States
18th		October 1982	Brussels, Belgium
19th		May 1983	Penang, Malaysia
20th		November 1983	Brussels, Belgium
21st		June 1984	Stockholm, Sweden
22nd		October 1984	Brussels, Belgium
23rd		June 1985	Boston, MA, United States
24th		October 1985	Brussels, Belgium
25th		May 1986	Kobe, Japan
26th		October 1986	Brussels, Belgium
27th		June 1987	Rio de Janeiro, Brazil
28th		October 1987	Brussels, Belgium
29th	2nd	November 1988	Orlando, FL, United States
30th		October 1989	Frankfurt, Germany
31st		November 1990	Perth, WA, Australia
32nd		October 1991	Philadelphia, PA, United States
33rd		November 1992	Phuket, Thailand
34th		October 1993	Vienna, Austria
35th		October 1994	AizuWakamatsu, Japan
36th	3rd	September 1995	Goslar, Germany
37th		October 1996	Greenville, SC, United States
38th		October 1997	Xian, Shaanxi, China
39th		October 1998	Prague, Czech Republic
40th		October 1999	Perth, WA, Australia
41st	4th	October 2000	San Francisco, CA, United States
42nd		October 2001	Rio de Janeiro, Brazil

43rd		October 2002	Kyoto, Japan
44th		October 2003	Lisbon, Portugal
45th		October 2004	Philadelphia, PA, United States
46th	5th	October 2005	Pattaya, Thailand
47th		October 2006	Innsbruck, Austria
48th		October 2007	Rio de Janeiro, Brazil
49th		October 2008	Shanghai, China
50th		October 2009	Tallinn, Estonia
51st		October 2010	Lake Tahoe, NV, United States
52nd		October 2011	Almaty, Kazakhstan
53rd	6th	October 2012	Cape Town, South Africa
54th		October 2013	York, United Kingdom
55th		October 2014	New York, NY, United States
56th		October 2015	Penang, Malaysia
57th		October 2016	Toulouse, France
58th	7th	October 2017	Vancouver, BC, Canada
59th		October 2018	Kigali, Rwanda
60th		October 2019	Hong Kong SAR, China
61st		October 2020	online
62nd		November 2021	London, UK
63rd		October 2022	Geneva, Switzerland
64th		September 2023	Rio de Janeiro, Brazil
65th		September 2024	Tokyo, Japan
66th		September 2025	Cape Town, South Africa
67th		September 2026	Yinchuan, China

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Our mission with the Bulletin is to provide the global tantalum and niobium community with news, information and updates on our work. We hope you enjoy reading it! Recipients will also receive messages about the T.I.C. and our General Assemblies. Email info@tanb.org to join our mailing list and keep up to date with the T.I.C.



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- Investments to expand the production supporting existing applications and new Niobium products.



Learn more about CBMM
in our Sustainability Report

Speakers' Biographies

Biographies are of the lead author of presentations and panelists (alphabetical by surname)

Christianne Canavero, Sustainability and Corporate Affairs Executive, CBMM

Leading the Future of Responsible Niobium: CBMM's Approach to Sustainable Value Creation

Christianne Canavero is a sustainability and corporate affairs executive with more than 20 years of experience leading ESG strategies across global B2B and B2C industries. As Global Head of Sustainability at CBMM, the world leader in niobium technology, she drives the company's sustainability agenda, advancing responsible business practices, stakeholder engagement, and long-term value creation. Christianne is an Aspen Institute Fellow and holds an Executive MBA from the University of Pittsburgh, as well as a degree in Chemical Engineering from the University of São Paulo.



Mr James Q. Chen, CTO of Yageo and R&D head of its Tantalum Product Business Unit, YAGEO Group, Mr Gang Ning, Marc Runyan

The AI Revolution: Opportunities and Challenges for Tantalum Polymer Capacitors

James Q. Chen is currently CTO of Yageo and R&D head of its Tantalum Product Business Unit. He has worked at KEMET/Yageo on tantalum capacitors for over twenty years focusing on material research and product development.



Gang Ning is vice president and the deputy head of tantalum capacitor R&D at Yageo. Prior to joining YAGEO Gang worked in large electronics companies focusing on passive components.



Marc Runyan is the leader of Tantalum Supply Chain and Business Development of Yageo. He has worked at KEMET/Yageo for over 31 years in anode manufacturing and vertical integration. joined Project Blue in May 2022 after completing his studies in geology at Stellenbosch University, South Africa. His research has spanned a wide range of critical materials — including cobalt, lithium, salt, and other raw materials — before expanding into downstream semiconductor modelling and analysis. His current focus includes several key semiconductor raw materials, such as tantalum, gallium, germanium, indium, and silicon.



Dr Daniel Mapa Clemente, Lead Researcher, Resind

Recovery of Sn, Ta and Nb from Mining and Metallurgical Brazilian By-products

Dr Daniel Mapa Clemente is the lead researcher on the studies of this presentation. His research focuses on the pyrometallurgical recovery of tin, tantalum, and niobium from complex tin slags.

He holds a bachelor's degree in Metallurgical Engineering from the Federal University of Ouro Preto, Brazil, and an MSc in Metallurgy and Metal Forming from the University of Duisburg-Essen, Germany. His undergraduate and master's research focused on steel making slags, with support from ThyssenKrupp.

Dr Clemente received his PhD in Materials Engineering from the Federal University of Ouro Preto in 2023. His doctoral research, conducted with the participation of Resind, investigated the recovery of tin, tantalum, and niobium from Brazilian tin slags. From 2019 to 2026, he worked as Research and Development Coordinator at Bozel Brasil S.A., where he gained extensive industrial experience in ferrosilicon and calcium-silicon production and in the design and sizing of submerged arc furnaces. He returned to Resind in 2026 and is currently working on the development of processes for recovering tin, tantalum, and niobium from complex slags.



Mr Ge Dongliang, Researcher, Ningxia Orient Tantalum Industry Co, Ltd.

The Crystallographic Evolution Behavior of Tantalum sputtering blank during Heat Treatment

Ge Dongliang, Master's degree, works in Tantalum and Niobium Products Branch of Ningxia Orient Tantalum Industry Co, Ltd. My research focuses on the development of high-purity tantalum target blank preparation technology for integrated circuit chips and the study of microstructural evolution mechanisms. Specifically, I concentrate on the relationship between deformation, recrystallization mechanisms, and texture component evolution of tantalum grains with different orientations under the coupled interaction of stress field and temperature field. My current work primarily involves the crystallographic evolution behavior of tantalum target blank during heat treatment. I have published 2 papers: "*Effect of {112} metastable oriented grains on the deformation behavior of high-purity tantalum*", "*Evolution of microstructure and grain boundaries during annealing of high-purity tantalum materials*". I have applied for a patent for "A Molecular Dynamics Simulation Method and System for the Rolling Process of Pure Tantalum Material", with the patent number:CN118335261A.



Mr Ge Honglin, Professor-level Senior Engineer, China Nonferrous Metals Industry Association

Opening speech at the 67th TIC General Assembly

Ge Honglin holds a PhD in Engineering and is a professor-level senior engineer. He is a member of the Standing Committee of the 13th National Committee of the Chinese People's Political Consultative Conference and former president of the China Nonferrous Metals Industry Association. He has served as a director and deputy general manager of Baosteel Group Corporation, as well as the president of Baosteel Research Institute, where he had long been engaged in research on new steel materials and the planning and management of extra-large metallurgical projects. From 2003 to 2014, he served as mayor of Chengdu, presiding over major international conferences such as the 2013 Fortune Global Forum and the China-US Mayors Forum. He has received honors such as the National Environmental Protection Model City Leadership Award and the Special Contribution Award for Chinese Mayors. From 2014 to 2019, he served as secretary of the party and chairman of Aluminum Corporation of China, director of Commercial Aircraft Corporation of China Ltd., and vice chairman of the International Aluminium Institute.



Prof. Dr. Marko Komac, Consultant,

BLOOM Project: Advanced Liberation Analysis for More Efficient Extraction and Processing of Critical Raw Materials

Prof. Dr. Marko Komac is a geologist with over 28 years of experience in companies, teams and project management, research, networking, and international cooperation. Marko was the Director General of the Geological Survey of Slovenia, a CEO in a start-up company and a Managing Director of OneGeology initiative. He is the past-President of EuroGeoSurveys and the past-President of European Federation of Geologists. Currently he's a self-employed consultant, a university lecturer, a board member of International Raw Materials Observatory, where he's involved in 5 raw minerals related EU projects, and a Vice-President of IUGS, a global union of geoscience organisations with over one million individual members.

**Ms Sian Morris, Senior Reporter, Argus Media***Argus Media's Tantalum Market Update*

Sian is Deputy Editor of the Argus Non-Ferrous Markets report at the commodity price reporting agency Argus Media. She is based in London where she covers the tantalum and niobium markets as well as a range of other minor metals and their downstream applications. Before moving to minor metals Sian covered the European noble-alloys markets including ferro-niobium. Before joining Argus, Sian graduated from the University of Sussex with a bachelor's degree in International Relations and Bournemouth University with a master's degree in journalism.

**Mr Josh Pierce, Senior Technology Manager, ATI***Modernization of Nb alloy development, learning from history*

Joshua Pierce holds a Bachelor of Science degree in Mechanical Engineering from Oregon State University and a Master of Business Administration from Corban University. Since joining ATI Specialty Alloys & Components (ATI SA&C) in 2007, he has held a variety of engineering and leadership positions spanning Quality, Process Engineering, and Technology. Currently in a Senior Technology Manager role, Josh leads strategic technical collaborations with ATI's specialty alloy suppliers and customers across the nuclear, medical, aerospace, and defense industries.

**Mr Kyle Pronk, Senior Researcher, Project Blue***Rising demand, constrained supply: tantalum market dynamics in the global semiconductor era.*

Kyle joined Project Blue in May 2022 after completing his studies in geology at Stellenbosch University, South Africa. His research has spanned a wide range of critical materials — including cobalt, lithium, salt, and other raw materials — before expanding into downstream semiconductor modelling and analysis. His current focus includes several key semiconductor raw materials, such as tantalum, gallium, germanium, indium, and silicon.

**Mr Jeff Slater, Chief Business Development Officer at Fort Wayne Metals, Fort Wayne Metals, ILC***Tantalum & Niobium for Medical devices*

Jeff Slater is the Chief Business Development Officer at Fort Wayne Metals, a technology-based provider of material solutions primarily to the medical device industry. The company produces wire-based materials for a wide range of medical devices such as implantable pacing and neurostimulation leads, cardiovascular catheters and orthopedic implants.

Jeff joined Fort Wayne Metals in February of 1980, where he has held a variety of positions as an integral manager and leader of many new initiatives. He has helped lead the company's growth from a small facility employing 15 people to a global market leader with nearly 1,600 employees in Indiana, Ohio and in Ireland.

Jeff attended Indiana Wesleyan University at Fort Wayne for both his BA and MBA. He lives in Fort Wayne with his wife Carole and has four children, with eleven grandchildren who all reside in Fort Wayne. Both he and Carole share a passion for traveling and when at home enjoy the company of their beloved dogs. Jeff is an active golfer and enjoys almost all spectator sports, especially baseball as a long time true die-hard CUBS baseball fan.



Dr. Melanie Stenzel, Director of Marketing, TANIOBIS GmbH

Tantalum in Next-Generation AI Power Delivery: Technical Shifts, Cost Pressure, and the Advantage of Mg-Reduced High-Voltage Powders

PhD in Chemistry, Director of Marketing at TANIOBIS GmbH. After developing Niobium capacitors and Ta-polymer process at EPCOS, she started 2006 at H.C. Starck, now TANIOBIS, as application engineer for capacitor powder. In 2008 she took over the responsibility for the Strategic Marketing and New Business Development for Tantalum & Niobium Products and extended the portfolio to further markets. Drives Additive Manufacturing activities for Tantalum and Niobium powder with expert knowledge and enthusiasm.



Mr Yang Xudong, Scientist

Full-Chain Fabrication and Performance Investigation of High-Purity Niobium Superconducting RF Cavities

I specialize in niobium SRF cavities, advancing tooling R&D and process optimization to bridge lab prototyping and industrial production. I designed nine specialized post-processing tools to overcome accuracy and stability bottlenecks, and as PI eliminated surface defects via workflow re-engineering. As a core contributor, I solved impurity control and grain uniformity issues for 1.3 GHz 9-cell cavities, validated welding tooling for three accelerator types, and optimized cryogenic units for Mo-99 production through simulation. Leading the build of a 400-cavity/year smart line established the foundation for scaled manufacturing. With three first-inventor patents and three publications, my work underpins China's SRF cavity industrialization.

TIC

Tantalum-Niobium
International Study Center

SAVE THE DATES

T.I.C.'s 68th General Assembly

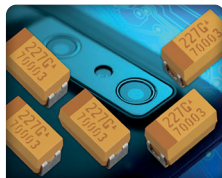
(Conference and AGM) will take place in

Prague

September 19th-22nd 2027

Non-members are welcome to attend this event. The T.I.C. General Assembly attracts global industry leaders. Full details will be made available at www.tanb.org

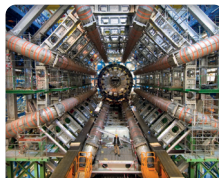
Our 2027 conference will explore issues such as:



Capacitors



Superalloys



Superconductors



HSLA Steel

www.TaNb.org

Chaussée de Louvain 490, 1380 Lasne, Belgium
Phone: +44 7745 521 449 Email: info@tanb.org

A&R Merchants

Address: 2101 NW 93rd Avenue, Doral FL 33172, United States
Email: ronald.gilerman@armerchants.com
Website: www.armerchants.com
Activity Recycling, Trading

Absolute Resources LLC

Address: 7723 Tylers Place Blvd #131, West Chester, OH 45069, United States
Email: Katherine.wen@absoluteresources.com
Website: <http://absoluteresources.com>
Activity Trading

Advanced Alloy Services Ltd

Address: Nobel Way, Dinnington, Sheffield S25 3QH, United Kingdom
Email: shall@advancedalloys.co.uk
Website: www.advancedalloys.co.uk
Activity Trading

Advanced Material Japan Corp.

Address: Sanno park Tower 12F, 2 11 Nagata cho, Chiyodku, Toyko, 1006112 Japan
Email: dkawamata@amjc.co.jp
Website: www.armerchants.com
Activity Recycling, Trading

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Email: harry.bush@ahkgroup.com
Website: www.ahkgroup.com
Activity Analytical, sampling and inspection services

AMG Brazil S.A.

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Email: fcosta@amgbr.com
Website: www.amgnv.com
Activity Mining, Processing

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Email: london@argusmedia.com
Website: www.argusmedia.com
Activity Research and Consultancy

AS International Corporation Ltd

Address: Unit 2b, Olympic Way, Sefton Business Park, Liverpool L30 1RD, UK

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Website: www.alexstewartinternational.com

Activity Analytical, sampling and inspection services

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Address: 1600 Old Salem Rd, NE P.O. Box 460, Albany, OR 97321, USA

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Website: www.atimaterials.com

Activity Materials, Manufacturing, Alloys

Bluecap Resources Ltd

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Email: info@bluecapresources.com

Website: www.bluecapresources.com/

Activity Recycling

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Address: 12 Marina Boulevard, MBFC Tower 3,#1701, Singapore 018982

Email: bwminerals@bwm.com.sg

Website: www.hhezhang.com

Activity Trading

Buss & Buss Spezialmetalle GmbH

Address: Sassnitzer Straße 10, 18551 Sagard, Germany

Email: buss@buss-spezialmetalle.de

Website: www.buss-spezialmetalle.de

Activity Metal scrap recycling

Capacitor Metals Corp.

Address: 1450789 West Pender Street, Vancouver, BC, V6C 1H2, Canada

Email: cgrove@capacitormetals.com

Website: www.capacitormetals.com

Activity Ta, Nb mining

CBMM

Address: Avenida Brigadeiro Faria Lima, 4285 - 9º andar - Itaim Bibi, São Paulo – SP, 04538133, Brazil

Email: Isadora.costa@cbmm.com

Website: www.cbmm.com

Activity Nb Mining, Processing

CCMA

Address: 2410 N. Forest Rd. – Suite 100 Getzville, NY 14068, United States

Email: jporter@ccmallc.com

Website: www.ccmallc.com

Activity Trader

CMT Rare Metal Advanced Materials (Hunan) Co., Ltd.

Address: No.99, 2Duan, Tengfei Road, Wangcheng District, Changsha, Hunan, China

Email: xyz@cmtrm.cn

Website: www.cmtrm.cn

Activity Design and manufacture of Ta components and equipment

D Block Metals LLC

Address: 1111 Jenkins Road, Gastonia, NC 29052, United States

Email: craig@dblockmetals.com

Website: www.dblockmetals.com

Activity Recycling

EcoWhite Trading Ltda

Address: Rua Barretos 1191, Vila Elisa, Ribeirão Preto, SP 14075000, Brazil

Email: gerencia@ecowhite.com.br

Website: www.ecowhite.com.br/en

Activity Mining, Processing, Recycling

Elite Manufacturing Solutions Limited

Address: Unit 1 The Townsend Centre, Blackburn Road, Houghton Regis, UK

Email: adam@elitemanufacturing.co.uk

Website: www.elitematerial.com

Activity Design and manufacture of Ta components and equipment

Encounter Resources Ltd

Address: Suite 2, 1 Alvan Street, Subiaco 6008, Perth, Western Australia

Email: jardee.kininmonth@enrl.com.au

Website: www.encounterresources.com.au/

Activity Mining

Exotech, Inc.

Address: 1851 Blount Road, Pompano Beach, FL 33069, United States

Email: exotech@exotech.com

Website: www.exotech.com

Activity Recycling

F&X ElectroMaterials Ltd

Address: Yaxi Industrial Development Zone, Xinhui City, Guangdong 529152, China

Email: xyz@uil.com.hk

Website: www.fxelectro.com

Activity Processing

Fifty Eight

Address: 1 Clocktower Park Offices, New Hall, Liverpool, L10 1LD, UK

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Website: fiftyeight.io

Activity NGO

Associate

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Email: tang396919@hotmail.com

Website: en.chinatanb.com

Activity Processing

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Address: 9609 Ardmore Avenue, Fort Wayne, IN 46835, United States

Email: jeff_slater@fwm Metals.com

Website: fwm Metals.com

Activity Research, Manufactures

Global Advanced Metals USA Inc.

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Email: info@globaladvancedmetals.com

Website: https://globaladvancedmetals.com/contactus/

Activity Processing Ta, Nb

Global Metals & Mining Ltd

Address: Unit 1, 26 Elliott Street, Midvale, WA 6056, Australia

Email: Info@globemmm.com

Website: www.globemmm.com

Activity Mining

Guangdong Rising Rare MetalsEO Materials Ltd

Address: 2 Kaifa Avenue, South District, Qingyuan Huaqiao Industrial Park, Yingde, Guangdong Province, 511500, China

Email: zh_ctns@126.com

Website: www.gsxc723.com

Activity Processing

Halcyon Inc.

Address: Level 6, Capricorn Tower Trade Centre Second Sheikh Zayed Road, Dubai, United Arab Emirates
Email: admin@halcyonmetals.com
Website: www.halcyonmetals.com
Activity Trading

ICD Europe Ltd

Address: Unit 715 Vantage Park, Coborn Avenue, Sheffield, S9 1DA, UK
Email: chris@icdalloys.com
Website: www.icdalloys.com
Activity Sourcing, Processing and Supply

International Conference on the Great Lakes Region (ICGLR)

Address: Boulevard du Japon 38, B.P. 7076, Bujumbura, Burundi
Email: secretariat@icglr.org
Website: www.icglr.org
Activity Associate Member/Trade Association

Associate

Jiangxi Suns Nonferrous Materials Co., Ltd

Address: Dongxing Road, High tech Industrial Development Zone, Xinyu City, Jiangxi Province, China
Email: 571419645@qq.com
Activity Processing Ta, Smelter

Jiangxi Tuo Hong New Material Co., Ltd

Address: No.3 Chunyi Road, Economic Development Zone, Yichun, Jiangxi 336000, China
Email: jxthxc@sina.com
Website: www.jxthxc.com
Activity Processing

Jiujiang Fuxing Tai Trade Co. Ltd

Address: Room 1002, building A, North Area, Lu Feng Xiao Qu, Jiujiang, Jiangxi 332000, China
Email: jiujiangfuxingtai@vip.163.com
Website: www.jjfx.cn
Activity Trading

Jiujiang Jinxin Nonferrous Metals Co. Ltd

Address: No. 3 Industrial Zone, Xunyang District, Jiujiang City, Jiangxi Province, China
Email: janny@jiujiangjx.com
Website: www.jiujiangjx.com
Activity Processing

Jiujiang Tanbre Co., Ltd

Address: No. 62 Jiuahu Road, Jiujiang City, Jiangxi Province 332014, China
Email: import@jjtanbre.com.cn
Website: www.jjtanbre.com.cn/english
Activity Processing Ta, Nb, Smelter

Jiujiang Zhongao Tantalum & Niobium Co. Ltd

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Email: tonyzatanb@qq.com
Website: www.zatanb.com
Activity Processing Ta, Nb, Smelter

KEMET Electronics Corp.

Address: KEMET Tower, 1 East Broward Blvd, 2nd floor, Fort Lauderdale, FL 33301, USA
Email: Kemet.communications@yageo.com
Website: www.kemet.com
Activity Capacitor Manufacture, Processing

Kinabalu Enterprise Ltd

Address: Rm 05, 11/F Global Gateway, Tower 61-63 Wing Hong St, Cheung Sha Wan, Hong Kong
Email: Info@kinabaluresources.com
Website: www.kinabaluresources.com
Activity Trading, mining and processing

Krome Commodities Limited

Address: 23 Ashburton Avenue, Ilford, Essex IG3 9ET, United Kingdom
Email: psmony48@gmail.com
Activity Trading

LuNa Smelter Ltd.

Address: Karuruma, Jabana, Gasabo, P.O. Box. 1011 – Kigali, Rwanda
Email: serge.ngaboyisonga@lunasmelter.com
Website: lunasmelter.com
Activity Tin, Ta Processing, Smelting

Malaysia Smelting Corporation

Address: 27 Jalan Pantai, 12000 Butterworth, Malaysia
Email: msc@msmelt.com
Website: www.msmelt.com
Activity Tin Smelting

Materion Newton Inc.

Address: 45 Industrial Place, Newton, MA 02461, United States
Email: Robert.marchiando@materion.com
Website: www.materion.com
Activity Secondary Processing

Metal Do Co. Ltd

Address: ONTEX Namba Bld. 11F, 2245, Minatomachi, Naniwaku, Osaka 5560017, Japan
Email: metaldo@raremetal.co.jp
Website: www.raremetal.co.jp/en
Activity Trading

Metalink International Co. Ltd

Address: Metalink Building, 8 East Jinxin Road, Jiangjun Avenue, Jiangning Economic Development Area, Nanjing, 211153, China
Email: mabuyang@metalink.com.cn
Website: www.metalink.com.cn/en
Activity Ore processing, Pure metals refining, Master alloys, Special alloys, Recycling

Metallurgical Products India Pvt. Ltd

Address: T27, MIDC Industrial Area – Talaja, District Raigad, Maharashtra 410208, India
Email: vkumar@mpil.co.in
Website: www.mpil.co.in
Activity Processing

Mines, Minerals, Metals & Markets Ltd

Address: 229 Dartmouth Road, Paignton, Devon, TQ4 6LG, United Kingdom
Email: w.millman@minesmineralsmetalsmarkets.com
Website: n/a
Activity Due diligence consultancy

Mining Minerals Resources Sarl

Address: 588 Route de Kipushi, Commune Annexe, Lubumbashi, DRC
Email: geoffrey@somika.com
Website: n/a
Activity Mining

Minor Metals Trade Association (MMTA)

Address: 34 Bower Terrace, Tonbridge Road, Maidstone, Kent ME16 8RY, United Kingdom
Email: freya@mmta.co.uk
Website: www.mmta.co.uk
Activity Associate Member/Trade association

Associate

MinTerra FZE

Address: P2 ELOB Office No. E30F11, Hamriyah Free Zone, P.O. BOX No. 50678, Sharjah, United Arab Emirates
Email: trading@minterra.ae
Website: www.minterra.ae
Activity Trading

Minexx Ltd

Address: C/O Sovereign Trust (Mauritius) Limited, Unit 21 Circle Square Business Park,
Forbach, Mauritius
Email: laurent@minexx.co
Website: n/a
Activity Trading

Mitsui Kinzoku Company, Limited

Address: Gate City Ohsaki West Tower, 19th floor, 1111 Osaki, Shinagawaku, Tokyo, 1418584,
Japan
Email: k_kawana@mitsui-kinzoku.com
Website: www.mitsui-kinzoku.com/en
Activity Processing

MTAL LLC

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Email: dfpersico@gmail.com
Website: MTALLC.com
Activity Consultancy, Research & Due Diligence

MTU Aero Engines AG

Address: Dachauerstrasse 665, 80995 München, Germany
Email: Dominik.PITZ@mtu.de
Website: www.mtu.de/en
Activity Aerospace Alloys, User

NEO GAIA Inc.

Address: 6F TKK Bldg., 1-2 kandatomiyamacho, Chiyoda-ku, Tokyo, 101-0043 Japan
Email: satomi@neogaia.tokyo
Website: www.neogaia.tokyo/index.html
Activity Recycling and Trading

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Email: info@neveah.com.ng
Website: www.neveah.com.ng
Activity Trading

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Address: 119 Yejin Road, Dawukou District, Shizuishan City, Ningxia 753000, China
Email: jiangb_nnec@otic.com.cn
Website: www.otic.com.cn
Activity Processing Ta, Nb

NPM Silmet OÜ

Address: Keskstr 2, 40231 Sillamäe, Estonia
Email: j.ignatova@neomaterials.com
Website: www.neomaterials.com
Activity Processing

OnG Commodities LLC

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Email: amm6591@gmail.com
Website: n/a
Activity n/a

Orano Nuclear Packages and Services

Address: 23 place de Wicklow, F78180 Monigny Le Bretonneux
Email: lucie.dearaujo@orano.group
Website: <https://www.orano.group/en/nuclear-expertise/comprehensive-range-of-services/nuclear-packaging-and-transport-services>
Activity Transport

Petrus Minerals Limited

Address: BUSINESSLABS Office Centre, Dun Karm Street, Birkirkara, BKR 9037
Email: candida@petrusminerals.com
Website: www.petrusminerals.com
Activity Trader

Plansee SE

Address: Metallwerk Plansee, Str. 71, 6600 Reutte, Austria
Email: eric.rowe@globaltungsten.com
Website: www.plansee.com
Activity Secondary Processing

Plato Gold Corp.

Address: 1240 Bay Street, Suite 800, Toronto, Ontario M5R2A7, Canada
Email: acohen@platogold.com
Website: www.platogold.com
Activity n/a

Power Resources International Ltd

Address: Amelia House, Crescent Road, Worthing, West Sussex, BN11 1QR, UK
Email: ray.power@pwr.ltd
Website: www.pwr.ltd
Activity Mining

RC Inspection Metals B.V.

Address: Pieter Zeemanweg 167, 3316 GZ, Dordrecht, Netherlands
Email: info@rcinspection.com
Website: www.rcinspection.com/
Activity Assaying

Refractory Metals Mining Co. Ltd

Address: West Wing, 2/F, 822 Lai Chi Kok Road, Cheung Sha Wan, Kowloon, Hong Kong
Email: info@rmmc.com.hk
Website: n/a
Activity Mining, Trading

Resind Indústria e Comércio Ltda

Address: Rodovia 265 Km 264, Distrito Industrial, Caixa Postal 157, São João del Rei, MG 36315000, Brazil
Email: almirclemente@resind.com.br
Website: www.resind.com.br
Activity Secondary Processing

Responsible Minerals Initiative (RMI)

Address: 1725 Duke St, Suite 300, Alexandria, VA 22314, United States
Email: jruiz@responsiblebusiness.org
Website: www.responsiblemineralsinitiative.org
Activity Associate Member/Trade Association

Associate

RFH Recycling Metals Co. Ltd

Address: 1507 Huijie Plaza, NO.268 Zhongshan Road, Nanjing 210008, China
Email: liu_ming@rfhmetals.com
Website: www.rfhmetals.com
Activity Processing

Rwanda Mining Association (RMA)

Address: P.O. Box 1856, Kigali, Rwanda
Email: jeanmalic@yahoo.fr
Website: rma.org.rw
Activity Associate Member/Trade Association

Associate

Specialty Metals Resources Ltd

Address: Room 3602, China Resources Building, 26 Harbour Road, Wanchai, Hong Kong
Email: Ximena.Rodriguez@smr.hk
Website: www.smr.hk
Activity Trading

Stapleford Minerals and Metals Limited

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Website: www.staplefordminmet.co.uk
Activity Trading

TANIOBIS GmbH

Address: Im Schleeke 7891, 38642 Goslar, Germany
Email: silvana.fehling@taniobis.com
Website: www.taniobis.com
Activity Tin, Ta Processing and Smelting

Tantec GmbH

Address: Tantalstraße 13, 63571 Gelnhausen, Germany
Email: info@tantecgroup.com
Website: www.tantecgroup.com
Activity Design and manufacture of Ta components and equipment

Telex Metals LLC

Address: 105 Phyllis Drive, Croydon, PA 19021, United States
Email: don.edwards@kymerainternational.com
Website: www.telexmetals.com
Activity Recycling

Thailand Smelting & Refining Co. Ltd

Address: 80 Moo 8, Sakdidej Road, Tambol Vichit, Amphur Muang, Phuket 83000, Thailand
Email: sales@thaisarco.com
Website: www.thaisarco.com
Activity Tin Smelting, high purity refining, powders, granules, shapes and solder production

Traxys

Address: Route d'Arlon 1921, 8009 Strassen, Luxembourg
Email: ioannis.Kallinikos@traxys.com
Website: www.traxys.com
Activity Trading

Treibacher Industrie AG

Address: Division Hard Metals and Energy Storage, Auer von Welsbachstr. 1, 9330 TreibachAlthofen, Austria
Email: ulf.stromberger@treibacher.com
Website: www.treibacher.com
Activity Hardmaterials like Carbides, Nitrides, Carbonitrides and Borides

Uhr Corporation

Address: 38-1 Hodong-gil, Wansan-gu, Jeonju, 55075, Korea (Republic of [South] Korea)
Email: ryan@uhrcorp.com
Website: www.uhrcorp.com
Activity Recycler

Ulba Metallurgical Plant JSC

Address: 102 Abay Avenue, 070005 UstKamenogorsk, Republic of Kazakhstan
Email: marketing_ta@ulba.kz
Website: www.ulba.kz/en
Activity Processing, Ta, Nb, Smelter

Vishay

Address: New Industrial Park, P.O. Box 87, Dimona 86100, Israel
Email: David.Tkach@vishay.com
Website: www.vishay.com
Activity Capacitor Manufacture

Ximei Resources Holding Ltd

Address: Qiaotou Town, Yingde City, Guangdong Province, 513055, China
Email: belindahuang@ximeigroup.com
Website: hk.ximeigroup.com/
Activity Processing Ta, Nb, Smelter

Yanling Jincheng Tantalum & Niobium Co., Ltd

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Email: ireneguan@jinchengtn.com
Website: www.jinchengtn.com
Activity Processing

Yano Metals Co. Ltd

Address: Tokyo office: 11911, Dogenzaka, Shibuyaku, Tokyo, 1500043, Japan
Email: m_abe@yanokinzoku.co.jp
Website: www.yanokinzoku.co.jp/en/index.html
Activity Recycling, Trading

Antitrust Compliance Policy

This policy was adopted by the T.I.C. at the 57th General Assembly held on October 17th 2016.

Purpose, Scope, and Implementation: The T.I.C. is fully committed to ensuring that all its activities are carried out in full compliance with all applicable antitrust legislation. Failure to comply with this Policy may result in the association and/or its members violating antitrust legislation and being subject to the imposition of substantial fines or even criminal penalties for individuals.

All T.I.C. employees, consultants and their elected representatives are under an obligation to conduct all business dealings in accordance with any applicable antitrust legislation. The T.I.C. employees, consultants and elected representatives must sign a written undertaking to the effect that they have read and understood the Policy and that they agree to adhere to that Policy in the conduct of their business activities.

Members are to ensure that any of their employees involved in T.I.C. activities and all those carrying out activities within the association on behalf of members are fully informed about the T.I.C.'s Policy. Applicant members will be asked to sign a statement to the effect that they have read and understood the T.I.C.'s Policy and that they will adhere to that Policy if admitted.

T.I.C. activities. Information concerning the Policy is available on the T.I.C.'s web site. All meeting agendas will be sent in advance of the meeting, and they will contain a statement to the following effect: "This meeting will be conducted in full compliance with the T.I.C.'s Antitrust Compliance Policy". All chairpersons will be required to remind group members of the contents of the T.I.C.'s Policy on a regular basis. Minutes of the meetings will be distributed to the participants within a reasonable time after the meetings.

Escalation of concerns. All employees, consultants and members and their representatives are required to report any possible breaches of the Policy. Generally, all actual or potential breaches should immediately be reported to T.I.C.'s legal counsel.

The contact information is as follows:

Jones Day, Att. Jonas Van den Bossche,
4 Rue de la Régence, 1000 Brussels, Belgium
lhouben@jonesday.com
phone: +32 2 645 14 11
<https://www.jonesday.com/brussels/>

For further information regarding the basic concepts of antitrust law, including cartel agreements, and types of anticompetitive agreements such as pricefixing, market sharing, quantityfixing and information exchange, please visit the T.I.C. website at <https://www.tanb.org/view/antitrustcompliancepolicy>.

Benefits of T.I.C. Membership

The T.I.C. undertakes a wide range of activities in support of its members' interests. The benefits of corporate membership include*:

Information services for members

- Monthly updates giving news and information about our industries.
- The Bulletin, our printed newsletter packed with technical papers and news.
- Digital archives of tantalum and niobium technical papers, patents and statistical reports on the members' area of www.TaNb.org.

Technical services

- Priority advice and support from the T.I.C. Technical Officer.
- Guidance on pertinent subjects, such as artisanal and smallscale mining, additive manufacturing, antitrust and transport.
- Liaising with governments and other stakeholder organisations on subjects relevant to our industry including:
 - Supply chain due diligence and other mineral legislation.
 - Transport of naturally occurring radioactive materials (NORM).
 - Critical raw materials.

The General Assembly, our annual technical conference

- Priority booking and exclusive earlybird discounts to attend the world's leading tantalum and niobium conference.
- Exclusive networking opportunities at the annual members' meeting.

Benefit from T.I.C.'s promotion of niobium and tantalum

- Exhibiting and presenting at relevant conferences.
- Commissioning research and reports about critical aspects of the global tantalum and niobium industries.
- T.I.C. is home to the Anders Gustaf Ekeberg Tantalum Prize.

Members decide the T.I.C. policies and strategy

- All members can take part in the T.I.C.'s governance at the AGM.
- Corporate members can nominate representatives to stand for election to the Executive Committee and/or volunteer to serve on a subteam.
- Free listing in the Annual Report and on our comprehensive website.

**Apply today and join the world's largest community
focused on tantalum and niobium!**

* For further information, including benefits of associate membership, please contact the T.I.C. For details of how to apply for membership please see page 34.

Applying for T.I.C. Membership

Who can apply?

Any organisation involved in the tantalum and/or niobium industries may apply for membership. The T.I.C. is composed of companies from the entire niobium and tantalum supply chains, from explorers to miners, traders and processors, through to end users and suppliers of goods and services to the industry.

How much are the annual membership fees?

Annual membership fees for the year 2025/26 are EUR 3,200 for corporate members and EUR 500 for associate members, representing excellent value for money. The membership fee is pro-rated from September through to 30 April of the following year.

Corporate or associate membership?

Corporate members are commercially involved in the tantalum and/or niobium industries. They are voting members and make up the majority of the membership.

Associate membership is reserved for non-commercial organisations such as governments, civil society groups and academia. The Executive Committee has the final decision concerning which category is applicable to applicant organisations.

How to apply?

Applications for membership are considered at the annual general meeting held each September / October and should be submitted at least one month beforehand.

To apply, an organisation needs to:

- Complete the application form at <https://tanb.org/membership-levels/>
- Provide a brief description of its activities in tantalum and/or niobium.
- Confirm that it has read and understood the T.I.C.'s current policies*.
- Corporate applicants need the support of two existing corporate members.
- The Executive Committee considers all applications and those that are accepted as valid are invoiced for three months' membership fee. Full payment is required at least one week before the General Assembly.
- All valid applications for membership are discussed and voted on by the existing members at the annual general meeting via an anonymous vote by ballot paper. Applicants may not be present at the meeting during membership discussions and voting.
- Successful applicants are considered to be a member of the T.I.C. for the year during which they were accepted. Regardless of the voting outcome, applicants are free to attend the technical conference that follows the members' general meeting.

If you are interested in joining the T.I.C. please contact heather.margerson@tanb.org

*In October 2022, these are the Artisanal and Small scale Mining Code of Conduct, Transport Policy, Data Protection Policy and Antitrust Compliance Policy. All four are available at www.TaNb.org

Scale. Integration. Reliable Supply.

Your trusted tantalum & niobium partner.

OUR STRENGTHS



LARGE SCALE Industry Leader

- Global No.1 in tantalum oxide capacity
- Global No.1 in tantalum metal capacity
- Global No.2 in niobium oxide capacity
- Global No.2 in niobium metal capacity

Five production bases in China with targeted capacity expansion to ensure long-term growth and reliable supply.



FULL INDUSTRY CHAIN Integrated and Complete

- Covering the full value chain from hydrometallurgy and pyrometallurgy to high-purity oxides, metals, alloys and fabricated products.
- Continuous innovation in key products such as 6N high-purity tantalum and 5N high-purity niobium

One-stop solutions to meet diverse customer needs.



SAFE AND RELIABLE Responsible and Sustainable

- Adhering to the highest EHS standards with ISO 14001 & ISO 45001 certified.
- Member of TIC, ITSCI and MMTA.
- Committed to conflict-free supply chain and sustainable development.

Stable operations, strict quality control and customer-centric service for a secure and trustworthy partnership.

CORE PRODUCTS



Ta₂O₅



Nb₂O₅



Tantalum
Powder



Niobium
Powder



Tantalum
Ingot



Niobium
Ingot



Tantalum/Niobium
Bar/Plate



Superconducting
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Building long term value for the global
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NINGXIA ORIENT TANTALUM INDUSTRY CO., LTD. (OTIC)



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■ CLEAN TANTALUM SUPPLY CHAIN ● RESPONSIBLE GLOBAL SUPPLIER

- ◆ Founded in 1965 (former Ningxia Nonferrous Metals Smelter)
- ◆ 1052 employees
- ◆ The biggest Ta & Nb manufacturer in China
- ◆ Certified to CFSI annual audit successively since 2011
- ◆ Sourcing all non-conflict tantalum minerals in compliance with RBA requirements
- ◆ The first listed Ta & Nb processing company in China in January 2000
- ◆ The earliest TIC member in China and an Asian member of the TIC Executive Committee
- ◆ Executive member of Ta & Nb Branch of the China Nonferrous Metal Industry Association
- ◆ The Chinese National Ta & Nb Special Metal Material Engineering Technology Research Center
- ◆ Standardization leader of the tantalum and niobium industry in China

Key Product Show

OTIC specializes in producing Ta and Nb key materials for high-tech industry: powders, compounds and customer-specific fabricated parts of tantalum, niobium and their alloys, such as wires, ingots, plates, foils, bars, rods, RF superconducting cavity, sputtering target blank, furnace parts and so on for various applications.



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