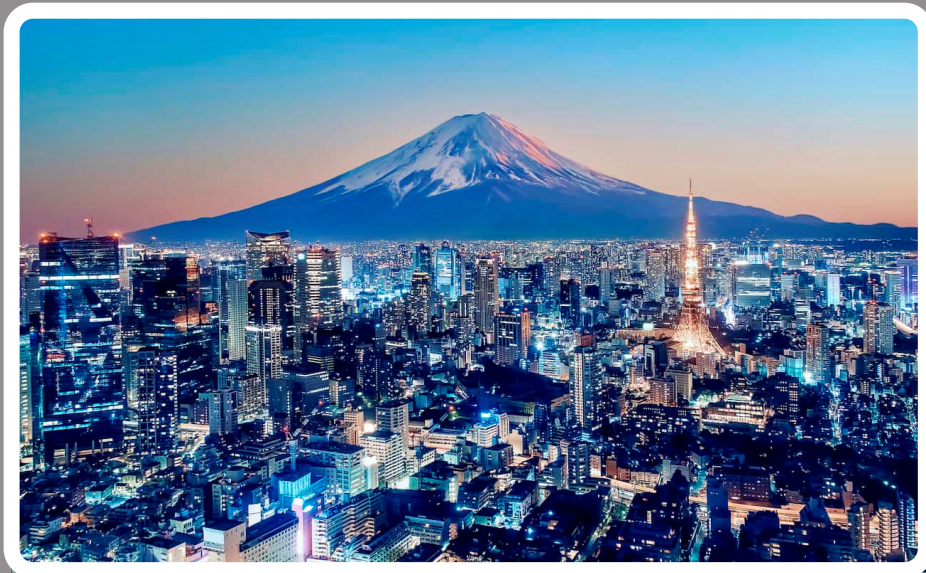


**TANTALUM-NIOBIUM
INTERNATIONAL STUDY CENTER**

TIC

www.TaNb.org

2024 ANNUAL REPORT



Presented at the 65th General Assembly of the
Tantalum-Niobium International Study Center (T.I.C.)

Tokyo, Japan, September 8th-11th 2024

TANIOBIS

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Capacitors; Sputter targets for barrier layers in semiconductors



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Tantalum-Niobium International Study Center (T.I.C.)

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President's Welcome

Dear T.I.C. Members and Friends,

The time has come to celebrate the 50th anniversary of the T.I.C., in one of the greatest cities in the world, and one of my favorite cities, Tokyo, Japan. I want to thank all our sponsors, but especially JX Advanced Metals, our platinum sponsor, for the opportunity to make this a memorable event.

The city of Tokyo is the second most populated capital city in the world and the most populous metropolitan area with more than 35 million residents, with some statistics quoting a population of over 40 million. What this means is that there is lots to do around every corner. Whether it be visiting the iconic Tokyo Tower and Mount Fuji, Tokyo Skytree, Studio Ghibli Museum, the Imperial Palace, Nikko Toshogu Shrine dedicated to Tokugawa Ieyasu who unified all the Japanese shogunates and home of the three wise monkeys..."see no evil...", Sensoji Temple and market, or so many other sites of interest, there is no shortage of things to do in and around Tokyo.



And talk about food, while the old Tsukiji Fish Market was moved 2.4km down the road to Toyosu, the Tsukiji outer market remains in place and is home to more than 400 shops where you can taste delicious sushi and sashimi that was harvested from the ocean only a few hours before. In addition, such representative Japanese foods as yakatori (grilled chicken skewers), kushiage (deep fried meat and vegetable skewers...also called kushikatsu), tempura, okonomiyaki (known as the Japanese pancake, which contains cabbage and pork and topped with fish flakes which sway back and forth from the heat), ramen, and other noodle dishes, to name just a few, are not to be missed. Eat up!

Pardon me if this sounds more like a travel guide, but I would be remiss if not mentioning the myriad of wonderful and wonderful things to do while you visit Japan.

We expect this to be one of the best-ever attended AGMs, which means a lot of business will be carried out over the 4 days of the GA. However, please remember, we have a full slate of technical presentations including a closing panel discussion focused on innovations that will drive our industries over the next 5-10 years. The presenters have committed their time and effort to educate the audience, whether it be retrospectives of specific technologies over the past 50 years, or new and unique technological advances necessary to drive our industries forward. Please respect these individuals and attend the technical sessions on Monday and Tuesday.

I am looking forward to an exciting event and seeing you in Tokyo.

Safe travels,

Dr. Daniel F. Persico - President

About the T.I.C.

Since its founding, the Tantalum-Niobium 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, non-profit 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 small-scale 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.

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 63rd General Assembly, and consists of (in alphabetical order of member's surname):

Efi Ben Barruch	efi.benbaruch@vishay.com
Fabiano Costa	fcosta@amg-br.com
Silvana Fehling	silvana.fehling@taniobis.com
Ronald Gilerman	ronald.gilerman@armerchants.com
David Gussack	david@exotech.com
Jiang Bin	jiangb_nniec@otic.com.cn
Janny Jiang	janny@jiujiangjx.com
Dharam Kotecha	dharam@halcyonmetals.com
Candida Owens	candida.owens@btinternet.com
Robert Marchiando	robert.marchiando@materion.com
Daniel Persico (President)	daniel.persico@tanb.org



The 2023-24 Executive Committee

The 2024 election to the Executive Committee takes place on September 9th during the Association's annual general meeting (AGM) at the 65th General Assembly held in Tokyo, Japan. 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 2024, 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
Dharam Kotecha
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 65th General Assembly, held in September 2024, the officers were:

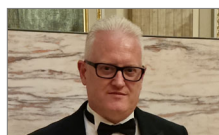
Secretary General

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 Becker-Fluegel, National Resources Trading / Tanco
1976	Paul Leynen, Zairetain
1977	Reinhard Deil, GfE
1978	Joseph Abeles, Kawecky 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	Hans-Jürgen 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, Sogem-Afrimet
1994	Peter Kählerl, 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

Executive Marketing Manager/ Technical Officer Report 2023-2024

Dear Members and Stakeholders,

We are pleased to reflect on another remarkable year for the tantalum supply chain. This year, GA65 will host both ITSCI and RMI, offering valuable insights into the latest developments within their respective programs.



Ian Margerison

This year, we have been granted another three-year term of service at the IAEA, reflecting the success of our efforts. Our outreach program is progressing well, with recent visits to members in the USA and ongoing travels to members in Asia.

This allows companies to express their industry concerns privately and provide valuable feedback to the T.I.C. We are pleased to announce that this initiative has been successful, with former members rejoining the T.I.C. family this year.

The T.I.C. is excited to welcome you to Tokyo, one of the world's most vibrant and dynamic cities. We hope you take the opportunity to explore its many attractions while attending the conference. Personally, I find the many onsens to be a uniquely Japanese experience that I thoroughly enjoy.

Please remember that the T.I.C. staff is available to answer any questions you may have.

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 2024 the T.I.C. was privileged to have on the panel (alphabetical by surname):

- **Professor Elizabeth Dickey**, Carnegie Mellon University, United States
- **Magnus Ericsson**, Luleå University of Technology, Sweden
- **Dr Nedal Nassar**, U.S. Geological Survey (USGS), United States
- **Professor Donald Robert Sadoway**, Massachusetts Institute of Technology (MIT), United States
- **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.charles-hatchett.com) already does an excellent job of recognising niobium published research.

General Assemblies and Symposia

<i>General Assembly Symposium</i>	<i>Month and year</i>	<i>City and country</i>
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	Aizu-Wakamatsu, 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

Join our mailing list to receive the Bulletin by email, free biannually

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.



The full archive of Bulletins, including Bulletin Reviews, is available at TaNb.org.



Tantalum and Niobium Suppliers for the Capacitor Electronics, Sputtering Target & Super Alloy Industries Worldwide



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- Niobium Electron Beam Chips, Niobium Plate, Niobium Wire
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- Sputtering Target
- Deep Drawing
- Medical

A&R Merchants Inc. is a leader in the supply of conflict free Tantalum & Niobium products



A&R Merchants Inc.
Tantalum & Niobium

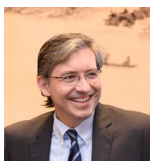
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Speakers' Biographies

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

Dr. Rafael Agnelli Mesquita, Chief Technical Officer & Director, CBMM Suisse Technology

Future innovation in Ta and Nb



Dr. Rafael Agnelli Mesquita received his degree in Materials Engineering from the Federal University of São Carlos (UFSCar) in Brazil, with an MSc and PhD by the same institution in Materials Science and Engineering. Rafael worked for 10 years in the research center of Villares Metals (Brazilian branch of Böhler-Uddeholm group), as head of research for product and process developments in tool steels and high-speed steels. In 2011, he was a Visiting Scientist at the Massachusetts Institute of Technology (MIT), being part of experiments developed at the Center for Nanoscale Systems - CNS - Harvard University. From 2012 through 2014 Rafael worked as Director of Technology and Marketing at Villares Metals. For 5 years starting in 2015 he was Technical Consultant for CBMM North America. At current Dr. Mesquita is the CTO at CBMM and Director at CBMM Suisse Technology.

Fred D. Carrington, Director of Sales, Exotech

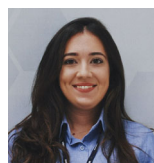
Future innovation in Ta and Nb



Fred started his career at Exotech while attending Florida Atlantic University and quickly transitioned into a full-time role while attending University at night. During this period Fred experienced and mastered nearly every role within production at Exotech and eventually oversaw the Quality Department for incoming and outgoing shipments. Once Fred graduated University, he joined the Exotech Sales Team and immediately started expanding the current company business. Through the 10 years of business expansion & development, Fred has been promoted through many roles and now stands as Exotech's Director of Sales. Fred works closely with many of the largest producers, processors and consumers of Tantalum & Niobium products worldwide. He travels the globe visiting mines, processors and producers, which has given Fred a unique experience of all levels within the supply chain. His knowledge of the Tantalum & Niobium recycling industry is based on his 13 years of experience acquired physically handling the different Tantalum & Niobium scrap streams and working with many different partners from different industries across the globe. Fred has worked on every major Tantalum & Niobium scrap stream across all relevant industries.

Isadora Costa, Niobium Metal Production Manager, CBMM

How Niobium Has Revolutionized Technology Over the Past 50 Years



Isadora Costa is the Niobium Metal Production Manager at CBMM, where she also leads market development for niobium metal products. She brings over 7 years of experience in the steelmaking and alloys industry, focusing on R&D, production management, and strategic business development. Isadora holds a Metallurgical Engineering degree from UFMG in Brazil and a Ph.D. in Material Science from the University of Lille in France.

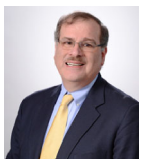
Mr. Kubota Hiroshi, Executive Vice President, Member of the Board, Metals, JOGMEC

Keynote Japan Ministerial Speaker - Critical Minerals

Executive Vice President at Japan National Oil Corporation and Metal Mining Agency of Japan (JOGMEC). He started his career with Metal Mining Agency of Japan where he has risen through JOGMEC, being responsible for different departments, before recently becoming the Executive Vice President, Member of the Board at JOGMEC.

Dr. Philip Lessner, Chief Technology Officer, YAGEO Group

50 Years of Tantalum Capacitor Development & Future innovation in Ta and Nb



Dr. Phil Lessner is the Chief Technology Officer of the YAGEO Group. He has been employed in the electronics industry for over 35 years. He joined KEMET Electronics (now a YAGEO Group company) in 1996 in the Tantalum Capacitor R&D department and was part of the partnership between NEC and KEMET that commercialized Tantalum-Polymer capacitors. He became Vice President of Tantalum Technology in 2004 and KEMET's CTO in 2006. Phil has an undergraduate degree in chemical engineering from Cooper Union in New York and a PhD in chemical engineering from the University of California, Berkeley.

Dr. Andrew Matheson, OnG Commodities LLC

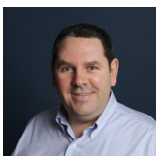
Tantalum past, Present & Future: Trends, Issues, Opportunities



Andrew Matheson has worked in the tantalum and niobium industry since 1997, when he served as Director of Raw Materials and Business Development at Cabot Corporation. He has held roles in R&D, mineral development, business development and sales. Today he provides commercial and strategic support to OnG Commodities LLC international business.

Gustavo Macedo, Commercial Director, Boston Metal do Brasil

Revolutionizing Tantalum and Niobium Recovery with MOE (Molten Oxide Electrolysis) Technology



Gustavo brings over 20 years of experience in the mining and metals industry, particularly in the niobium market, to his role as Commercial Director at Boston Metal do Brasil. He held key leadership roles at CBMM, the top niobium producer, driving operations in Europe and Asia, significantly boosting revenues and profitability. Gustavo has advised the European Commission on niobium supply stability and engaged in sustainability and carbon neutrality discussions. He also contributed to WA1 Resources' niobium project in

Australia. He holds a postgraduate degree in finance from Fundação Dom Cabral and a bachelor's in business administration, supplemented by executive programs at Harvard and INSEAD.

Marc Meads, Business Development Manager for battery products, CBMM

Niobium in Energy Storage Materials, Reducing The Cost and Carbon Footprint of Electrification



Marc Meads serves as Business Development Manager for battery products at CBMM and is responsible for regional commercial activities and market development for CBMM's niobium products in energy storage applications. He has over 15 years of experience in the specialty chemicals industry in both technical and commercial positions across UK, USA and Singapore, and holds a Global Executive MBA from INSEAD business school as well as a Ph.D. in Chemistry from University of Reading, UK.

Dr. Jacob Rindler, Director of Materials and Manufacturing Technology, ADDMAN

Additive Manufacturing of C103 via L-PBF: Cost , Lead Time, and Performance Improvements Lead Wire Composite

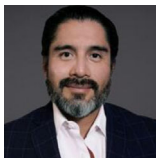


Dr. Jacob Rindler serves as the Director of Materials and Manufacturing Technology at ADDMAN and is the General Manager of its metal 3d-printing business unit Castheon. Jacob started his career at the Boeing Company as a Materials and Process Engineer before moving to Northrop Grumman as a Manufacturing Engineer, in both roles he focused on the maturation and industrialisation of Additive Manufacturing and other advanced manufacturing technologies for aerospace. Dr. Rindler later held appointments at Ohio State

University as their AM Technology leader and the Air Force Research Lab as a visiting scholar. Rindler, is a welding metallurgist by education having received his bachelors, masters, and doctoral degrees in welding engineering at Ohio State University. Jacob is an expert on high temperature metals, their manufacture, applications, and testing.

Josue Ruiz, RBA/RMI

A Guide to Utilizing ITSCI Supporting Information



Josue has more than 16 years of experience in responsible sourcing, directing technical initiatives and R&D efforts. He is certified in a number of standards, including The Copper Mark, TSM, ICMM, LBMA, and RJC, and has spearheaded global audit programs for Fortune 500 firms. Josue holds a master's degree in environmental sciences, with focus on sustainability development, and a bachelor's degree in economics.

Erik Sardain, Project Blue

Niobium: A critical mineral with a dynamic outlook



Erik has over 25 years of experience in the commodity space, with managerial positions in the finance and the mining industry. Prior joining Project Blue, Erik was Principal Consultant at Roskill, covering steel, iron ore and steel alloys, primarily vanadium and niobium. Before that Erik was Head of Global Research and analysis for iron ore at BHP in Singapore with a focus on market intelligence, project management and strategy. Erik has also worked as Investment Analyst and Portfolio Manager for major financial institutions in Europe, Asia and North America, focusing on natural resources and commodities.

Gordon Smith, Global Advanced Metals

3D Printing Tantalum with a Focus on Medical Devices & Future innovation in Ta and Nb



Gordon Smith has led the R&D organization at Global Advanced Metals since 2019, leveraging over 25 years of experience in developing product solutions in electronic materials, stereolithography resins, and medical devices. Gordon holds a Bachelor of Science degree in Chemical Engineering from Michigan Technological University, a Master of Science degree and a Doctorate of Science degree in Chemical Engineering both from the Massachusetts Institute of Technology, and a Master of Business Administration from the University of Chicago.

Dr. Melanie Stenzel, Director of Marketing, TANIOBIS GmbH

The tantalizing journey of Tantalum. A retro-perspective to powder development. Mining Industry: Yesterday, Today and Tomorrow



Director of Marketing at TANIOBIS GmbH. She holds a PhD in Chemistry and 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 and extended the portfolio to further markets. Drives Additive Manufacturing activities for Tantalum and Niobium powder with expert knowledge.

Okabe Takeo MEng, Executive Officer, JX Advanced Metals Corporation

Future innovation in Ta and Nb



Executive Officer at JX Advanced Metals Corporation. He holds a Bachelor of Engineering and Masters of Engineering from Waseda University. He started his career with Nippon Mining & Metals Co., Ltd, before moving to JX Metals USA Inc., where he has risen through JX, being responsible for different departments, before becoming the Executive Officer, JX Advanced Metals Corporation.

Mr. Xu Tao, Director of Resources Development at CNMC Ningxia Orient Group Corp

Research on Tantalum and Tantalum Alloy Additive Manufacturing (3D Printing)



Mr Xu Tao is the Director of Resources Development at CNMC Ningxia Orient Group Corp and the General Manager of CNMNC Africa Company and has extensive experience in Global Tantalum & Niobium Industry and Supply Chain. With a career rooted in supply chain and resource acquisition.

SAVE THE DATES

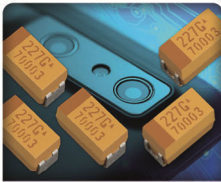
T.I.C.'s 66th General Assembly

(Conference and AGM) will take place in

Cape Town September 14th-17th 2025

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

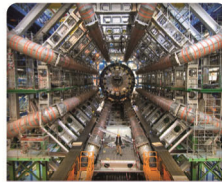
Our 2025 conference will explore issues such as:



Capacitors



Superalloys



Superconductors



HSLA Steel

TIC

Tantalum-Niobium International Study Center

Chaussée de Louvain 490, 1380 Lasne, Belgium

Phone: +32 2 649 51 58 Email: info@tanb.org

www.TaNb.org

Directory of Members

Status August 2024

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@absolute-resources.com
Website: <http://absolute-resources.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, 2-11-1 Nagata-cho, Chiyoda-ku, Tokyo 100-6112, Japan
Email: dkawamata@amjc.co.jp
Website: www.amjc.co.jp/en
Activity: Trading

Alfred H. Knight International Ltd

Address: Pegasus House, Kings Business Park, Prescot, Knowsley, L34 1PJ, United Kingdom
Email: paul.chew@ahkgroup.com
Website: www.ahkgroup.com
Activity: Assaying

AMG Brazil S.A.

Address: Rodovia 841 km18, s/nº Volta Grande, Nazareno, MG - CEP:36.370-000, Brazil
Email: fcosta@amg-br.com
Website: www.amg-nv.com
Activity: Mining, Processing

Argus Media Ltd

Address: Lacon House, 84 Theobald's Road, London WC1X 8NL, United Kingdom
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, United Kingdom
Email: Secretary@alexstewartinternational.com
Website: www.alexstewartinternational.com
Activity: Analytical, sampling and inspection services

Australian Strategic Materials Ltd

Address: Level 4 , 66 Kings Park Road, West Perth, WA 6005, Australia
Email: Marketing@asm-au.com
Website: www.asm-au.com
Activity: Nb Mining, Processing

Auxico Resources Canada Inc.

Address: 201 Notre Dame West, Suite 500, Montreal QC, H2Y 1T4, Canada
Email: christoph.ebeling@camet.ch
Website: www.auxicoresources.com
Activity: Mining

B.W. Minerals (s) Pte Ltd

Address: 12 Marina Boulevard, MBFC Tower 3,#17-01, Singapore 018982
Email: bwminerals@bwm.com.sg
Website: www.hhezhong.com
Activity: Trading

Buss & Buss Spezialmetalle GmbH

Address: Sassnitzer Straße 10, 18551 Sagard, Germany
Email: buss@buss-spezialmetalle.de
Website: https://www.buss-spezialmetalle.de
Activity: Recycling

CBMM

Address: Avenida Brigadeiro Faria Lima, 4285 - 9º andar - Itaim Bibi, São Paulo – SP, 04538-133, 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@cmallc.com
Website: www.cmallc.com
Activity: Consultancy

Central America Nickel Inc.

Address: 201 Notre Dame West, Suite 500, Montreal QC, H2Y 1T4, Canada
Email: christian.falk@camet.ch
Website: www.centralamericanickeluaex.com
Activity: Mining

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

Address: No.99, 2Duan, Tengfei Road, Wangcheng District, Changsha, Hunan, China
Email: xyc@cmtrm.cn
Website: www.cmtrm.cn
Activity: Design and manufacture of Ta components and equipment

Cometec GmbH

Address: Lagerhausstrasse 7-9, 63589 Linsengericht, Germany
Email: thierry.nodari@cometec.com
Website: www.cometec.com
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 14075-000, Brazil
Email: gerencia@ecowhite.com.br
Website: www.ecowhite.com.br/en
Activity: Mining, Processing, Recycling

Elite Material Solutions Limited

Address: 17 Hayman Rise, Grange Farm, Milton Keynes, Buckinghamshire, MK8 0ND, United
Email: dalegwinnett@elitematerial.com
Website: www.elitematerial.com
Activity: Design and manufacture of Ta components and equipment

Exotech, Inc.

Address: 1851 Blount Road, Pompano Beach, FL 33069, United States
Email: exotech@exotech.com
Website: www.exotech.com
Activity: Recycling

F&X Electro-Materials Ltd

Address: Yaxi Industrial Development Zone, Xinhui City, Guangdong 529152 , China
Email: xyz@uil.com.hk
Website: www.fxelectro.com
Activity: Processing

FIR Metals & Resource Ltd

Address: Jiulong Industrial Zone, Yanling, Zhuzhou, Hunan 412500, China
Email: tang396919@hotmail.com
Website: en.chinatanb.com
Activity: Processing

Fort Wayne Metals Research Products, LLC

Address: 9609 Ardmore Avenue, Fort Wayne, IN 46835, United States
Email: jeff_slater@fwmetals.com
Website: <https://fwmetals.com>
Activity: Research

Global Advanced Metals USA Inc.

Address: 1223 County Line Road, Boyertown, PA 19512, United States
Email: info@globaladvancedmetals.com
Website: <https://globaladvancedmetals.com/contact-us/>
Activity:

Global Metals & Mining Ltd

Address: Unit 1, 26 Elliott Street, Midvale, WA 6056, Australia
Email: Info@globemm.com
Website: www.globemm.com
Activity: Mining

Guangdong Rising Rare Metals-EO 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

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 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.com
Activity: Trading

Jiujiang Jinxin Non-ferrous 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

Jiujiang Zhongao Tantalum & Niobium Co. Ltd

Address: 801 East Binjiang Road, Jiujiang City, Jiangxi Province, China
Email: tonyzatanb@qq.com
Website: www.zatanb.com
Activity: Processing

KEMET Electronics Corp.

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

Krome Commodities Limited

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

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, 2-2-45, Minatomachi, Naniwa-ku, Osaka 556-0017, 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: T-27, MIDC Industrial Area – Taloja, 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, Democratic Republic of Congo
Email: geoffrey@somika.com
Website: n/a
Activity: Mining

Minor Metals Trade Association (MMTA)

Address: 3-4 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. E-30F-11, Hamriyah Free Zone, P.O. BOX No. 50678, Sharjah, United Arab Emirate
Email: trading@minterra.ae
Website: www.minterra.ae
Activity: Trading

Mitsui Mining & Smelting Co. Ltd

Address: Gate City Ohsaki West Tower, 19th floor, 1-11-1 Osaki, Shinagawa-ku, Tokyo, 141-8584, Japan
Email: k_kawana@mitsui-kinzoku.com
Website: www.mitsui-kinzoku.com/en
Activity: Processing

MTALX Ltd

Address: 166 Hampstead Way, London NW11 7YE, United Kingdom
Email: martin@mtalx.com
Website: www.mtalx.com
Activity: Trading

MTU Aero Engines AG

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

Neveah Limited

Address: Plot 2940 Aguiyi Ironsi Street, Maitama, Abuja, 900271, FCT, Nigeria
Email: info@neveah.com.ng
Website: www.neveah.com.ng
Activity: Trading

Ningxia Orient Tantalum Industry Co., Ltd

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

NPM Silmet OÜ

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

OnG Commodities LLC

Address: 20 Dean Road, Brookline, MA 02445, United States
Email: amm6591@gmail.com
Website:
Activity:

Orano Nuclear Packages and Services

Address: 23 place de Wicklow, F-78180 Montigny-Le-Bretonneux
Email: lucie.de-araujo@orano.group
Website: www.orano.group/en/nuclear-expertise/comprehensive-range-of-services/
transporting-and-storing-nuclear-material
Activity: Transport

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:

RC Inspection Metals B.V.

Address: Gustoweg 66, 3029 AS Rotterdam, Netherlands
Email: info@rc-inspection.com
Website: www.rc-inspection.com/
Activity: Assaying

Power Resources International Ltd

Address: Amelia House, Crescent Road, Worthing, West Sussex, BN11 1QR, United Kingdom
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@rc-inspection.com
Website: www.rc-inspection.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 36315-000, 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: msmirnova@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@rfh-metals.com
Website: www.rfh-metals.com
Activity: Processing

Rwanda Mines, Petroleum and Gas Board (RMB)

Address: KN 4 Ave, Kigali, Rwanda
Email: francis.kamanzi@rmb.gov.rw
Website: www.rmb.gov.rw
Activity: Associate Member/Trade association

Associate

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

SAMWOOD NEO Inc.

Address: 3F, No.3 Hayakawa Bldg, 2-2, Kandatacho, Chiyoda-ku, Tokyo, Japan
Email: satomi@sw-neo.com
Website: sw-neo.com
Activity: Recycling, Trading

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

Address: Wayside, Stapleford Road, Stapleford Abbots, Romford, Essex RM4 1EJ, United Kingdom
Email: val@staplefordtrading.co.uk
Website: www.staplefordminmet.co.uk
Activity: Trading

Strategic Minerals Spain

Address: Calle Castelló nº 117, planta 5, puerta 33, oficina 533-536, 28006 Madrid, Spain
Email: eterron@strategicminerals.com
Website: www.strategicminerals.com
Activity: Mining

TANIOBIS GmbH

Address: Im Schleeke 78-91, 38642 Goslar, Germany
Email: silvana.fehling@taniobis.com
Website: www.taniobis.com
Activity: Processing

Tantec GmbH

Address: Tantalstraße 1-3, 63571 Gelnhausen, Germany
Email: info@tantec-group.com
Website: www.tantec-group.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 19-21, 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 Treibach-Althofen, Austria
Email: ulf.stromberger@treibacher.com
Website: www.treibacher.com
Activity: Hardmaterials like Carbides, Nitrides, Carbonitrides and Borides

Ulba Metallurgical Plant JSC

Address: 102 Abay Avenue, 070005 Ust-Kamenogorsk, Republic of Kazakhstan
Email: marketing_ta@ulba.kz
Website: www.ulba.kz/en
Activity: Processing

Vishay

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

Wood Mackenzie

Address: 54 Russell Road, London SW19 1QL, United Kingdom
Email: ankita.chakraborty@woodmac.com
Website: www.woodmac.com
Activity: Research and Consultancy

Ximei Resources Holding Ltd

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

Yanling Jincheng Tantalum & Niobium Co., Ltd

Address: SME Pioneer Park, Yanling, Zhuzhou, Hunan 412500, China
Email: irenegan@jinchengtn.com
Website: www.jinchengtn.com
Activity: Processing

Yano Metals Co. Ltd

Address: Tokyo office: 1-19-11, Dogenzaka, Shibuya-ku, Tokyo, 150-0043, Japan
Email: m_abe@yanokinzoku.co.jp
Website: www.yanokinzoku.co.jp/en/index.html
Activity: Recycling, Trading

Zhuzhou Cemented Carbide Works Imp. and Exp. Co.

Address: Diamond Road, Zhuzhou, Hunan 412000, China
Email: zccc@chinacarbide.com
Website: www.chinacarbide.com
Activity: Carbides

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. Luc Houben,
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 anti-competitive agreements such as price-fixing, market sharing, quantity-fixing and information exchange, please visit the T.I.C. website at <https://www.tanb.org/view/antitrust-compliance-policy>.

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 small-scale 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 early-bird 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 33.

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 2023/24 are EUR 3100 for corporate members and EUR 500 for associate members, representing excellent value for money.

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://www.tanb.org/view/join-today> or from info@tanb.org.
- 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.

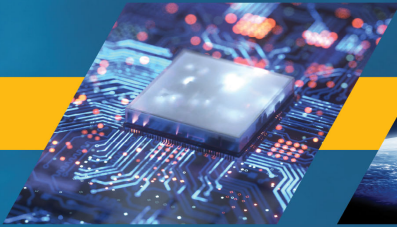
If you are interested in joining the T.I.C. please contact heather.margerison@tanb.org

*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.



M A T E R I O N

Enabling High-Performance Tantalum and Niobium Solutions



Specially-engineered materials in a wide range of forms:

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- Plate
- Powder
- Parts to customer specification

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**WE'RE NOT TRADERS,
WE'RE PRODUCERS
OF RECYCLED
PURE AND ALLOY**

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Niobium	Tungsten
Zirconium	Indium
Hafnium	Titanium
Germanium	Other Exotics

Prompt delivery from the
USA, EU and UK

PRODUCER OF

High Purity Chromium Powder
Synthetic Tantalum Concentrates

SPECIALIZING IN

High Purity Sputter Target Alloys
Recycling Unique Tantalum Refinery

+1 (954) 917-1919

WWW.EXOTECH.COM

CONTACT@EXOTECH.COM