

# Argus Metals Week 2019

Marriott Hotel Regents Park, London

Build your own agenda to make new contacts relevant to your business

26-27 February

28 February-1 March

**Battery Materials**

**SnWTa**

**NiCoMo**

11 years uniting metal traders, miners, producers, manufacturers, consumers and service providers



250+

senior industry participants



60+

influential speakers



30+

hours of networking



160+

international companies



35+

countries in attendance

Address industry challenges and opportunities with:

Koji Sakamoto,  
Assistant Manager, **Sumitomo Corporation**

Antti Saarela,  
Manager, Market Intelligence, **Outokumpu**

Laurent Cohen,  
Global Marketing, Manager, **Solvay**

Michael Anderson,  
Product Director, Wolfmet and Apiezon, **M&I Materials**

Kojima Yoshihiro,  
Director, **Japan Oil, Gas & Metals National Corporation**

Meera Pau Mehta,  
Corporate Responsibility Program Manager, **ArcelorMittal**

Emilio Bunel,  
Vice-President Innovation, **SQM**

Francisco Carranza,  
Managing Director, **Nissan Europe**

and many more...

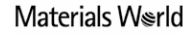
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**Supporters:**



# SUPPLY AND DEMAND INEQUALITY IN THE METALS INDUSTRY: WHAT'S YOUR BUSINESS CONTINUITY PLAN?

Dear Colleague,

## Welcome to the 11th Argus Metals Week

In its 11th year, Argus Metals Week will be honing in on nickel, cobalt and molybdenum as its primary focus, covering themes such as stainless steel, superalloys, ferroalloys, supply and demand, pricing, financial contingency and global economics. Alongside NiCoMo, the event includes Battery Materials, and SnWTa, ensuring we are tapping cross-industry markets and providing a multidisciplinary perspective of challenges in the metals market. The event will unite and draw on the expertise of over 250 key representatives from mining companies, producers, manufacturers and traders to discuss and shape the future of the metals industry.

## Explore the drivers for growth in the batteries and automotive industry

We are privileged to welcome leading experts to share their thoughts at the conferences. Among the issues to be debated will be the key drivers and outlook for markets within the metals industry.

We look forward to welcoming you to London in February!

Kind regards,



Tonika Campbell  
Metals, Senior Project Manager,  
Argus Media

To discuss speaking opportunities please contact:  
**Tonika Campbell, Metals, Senior Project Manager**

+44 (0)20 7199 5698 @ tonika.campbell@argusmedia.com

## New for Argus Metals Week 2019



### NETWORKING APP

**\*New live anonymous poll and networking app\***

Take part in a live digital Q&A with our expert speakers and your industry peers. Our new polling tool will give you the anonymity to ask questions you feel need to be addressed by the market. Plus: Don't forget to download your conference app to arrange on-site meetings, send messages and view the delegate list\*.

26-27  
February

### BATTERY MATERIALS

**\*NEW spotlight on battery materials!\***

Join us to bridge the gap between upstream and midstream with insights from cathode producers, cell component manufacturers, consumers and investors.

### SnWTa

**\*NEW sessions for 2019\***

Attend more end-user sessions; you can also address topics on niobium, tin and tantalum.

28  
February  
- 1 March

### NiCoMo


**\*NEW focus and topical debate\***

The flagship two-day conference returns with a new focus on silicon metals, ferro-manganese and ferro-nickel. Plus key geopolitical developments such as the trade war and China's refinery shutdowns.

\*Access to the networking app is available two weeks before the event and only once any outstanding delegate fees have been paid.

# EXPERT SPEAKERS FROM ACROSS THE GLOBAL METALS SUPPLY CHAIN

## BATTERY MATERIALS


 **Koji Sakamoto**,  
General Manager,  
**Sumitomo Corporation Europe Holding**

 **Francisco Carranza**,  
Managing Director,  
**Nissan-Europe**

 **Emilio Bunel**,  
Vice-President Innovation,  
**SQM**


 **Vincent Ledoux Pedailles**,  
Executive Director,  
**Infinity Lithium Corporation**

## SnWTa

 **Frederic Delforge**,  
Senior Trader Specialty Metals,  
**Traxys**


 **Meera Pau Mehta**,  
Corporate Responsibility Program  
Manager, **ArcelorMittal**

 **Karin Laursen**, Strategic Raw  
Materials Purchasing Manager,  
**Global Tungsten & Powders**

 **Michael Anderson**,  
Product Director, Wolfmet  
and Apiezon, **M&I Materials**


## NiCoMo

 **Kojima Yoshihiro**,  
Director, **Japan Oil,  
Gas and Metals National  
Corporation(JOGMEC)**

 **Antti Saarela**,  
Manager Market Intelligence,  
**Outokumpu**

 **John Eastwood**,  
Head of Nickel Sales,  
**Anglo American**

 **Anne Oxley**,  
Technical Director,  
**Brazilian Nickel**


 **Yoran Guenegou**,  
Sales and Marketing Director,  
**DCX Chrome – Groupe Delachaux**

 **Bill Reid**, Associate Director for  
Airfoil Castings, Structural Castings,  
Forgings and Mill Products Strategy,  
**Pratt & Whitney**

 **Sebastian Krefl**,  
Managing Director,  
**Metals Hub**

 **Daniele Sedge**,  
Product Manager,  
**ELG Utica Alloys**

 **Maxwell Shumba**,  
Director, Regulatory Affairs,  
**Borchers Americas**

 **Catherine Girard**,  
Expert Leader Energy and Raw  
Materials, **Group Renault**

**Claude Chanson**,  
General Manager,  
**Recharge aisbl**

**Elbert Loois**,  
Managing Partner,  
**HiTech Materials  
Advisory**

**Fabrizio Corti**,  
Senior Vice-President  
of Sales and Business  
Development, **Imerys  
Graphite & Carbon**

**Jeremy Pearce**,  
Technology Team  
Leader,  
**International Tin  
Association**

**Marco Romero**,  
President and Chief  
Executive Officer,  
**Euro Manganese**

**Stuart Penson**,  
Senior Editor, Metals,  
**Argus**

**Steven Izatt**,  
President and Chief  
Executive Officer,  
**IBC Advanced  
Technologies**

**Ben Wrightsman**,  
President and Chief  
Executive Officer,  
**Battery Innovation  
Center**

**Ken Brinsden**,  
Managing Director and  
Chief Executive Officer,  
**Pilbara Minerals**

**Hamish Collins**,  
Managing Director,  
**Aeon Metals**

**Nicole Willing**,  
Editor, Argus Metals  
International,  
**Argus**

**Charles Swindon**,  
Managing Director,  
**RJH Trading**

**Richard Williams**,  
President, Chief  
Executive Officer  
and Director,  
**Strongbow Exploration**

**Daniel Persico**,  
Senior Vice-President,  
Mergers and Acquisitions/  
TOKIN Integration,  
**KEMET Electronics**

**Fedor Mironenko**,  
General Manager,  
**AVAS Trading**

**Michael Masterman**,  
Executive Chairman,  
**W Resource**

**Michele Bruelhart**,  
Director of Innovations,  
**Responsible Minerals  
Initiative**

**Candida Owens**,  
Senior Trader and  
Company Director,  
**Cronimet**

**Tomas Zednicek**,  
President, **European  
Passive Component  
Institute**

**Dominic Heaton**,  
Head of Strategic  
Initiatives,  
**Masan Resources**

**Jim McCombie**,  
Trader,  
**Stapleford Trading**

**Cliff Nance**,  
President,  
**Tungco**

**Mark Seddon**,  
Senior Manager, Metals  
Consulting, **Argus**

**Furkhat Faizulla**,  
Deputy Director,  
**Advanced Material  
Japan Corp**

**Maarten Gassmann**,  
Head of Asian Business,  
**Grondmet**

**Lewis Black**,  
Director, President  
and Chief Executive,  
**Almonty Industries**

**Steven R Izatt**,  
President and Chief Executive Officer,  
**IBC Advanced Technologies**

**Filipe Costa**,  
Chief Executive Officer,  
**Cronimet Envirotec**

**Dmitry Pastour**,  
Chief Executive Officer,  
**UNICHROME**

**Barbara Buck**,  
Vice-President of Sales and Marketing,  
**Climax Molybdenum Company**

**Daniele Sedge**,  
Product Manager,  
**ELG Utica Alloys**

**Arnoud Willems**,  
Partner,  
**Sidley Austin**

**Michele Bruelhart**,  
Director of Innovations,  
**Responsible Minerals Initiative**

**Randall Insero**,  
Strategic Sourcing Manager for Mill Products,  
**Pratt & Whitney**

**Michael Insulan**,  
Senior Market Analyst,  
**Eurasian Resources Group**

**Ran Maimon**,  
Director,  
**Thh Molyprocessing**

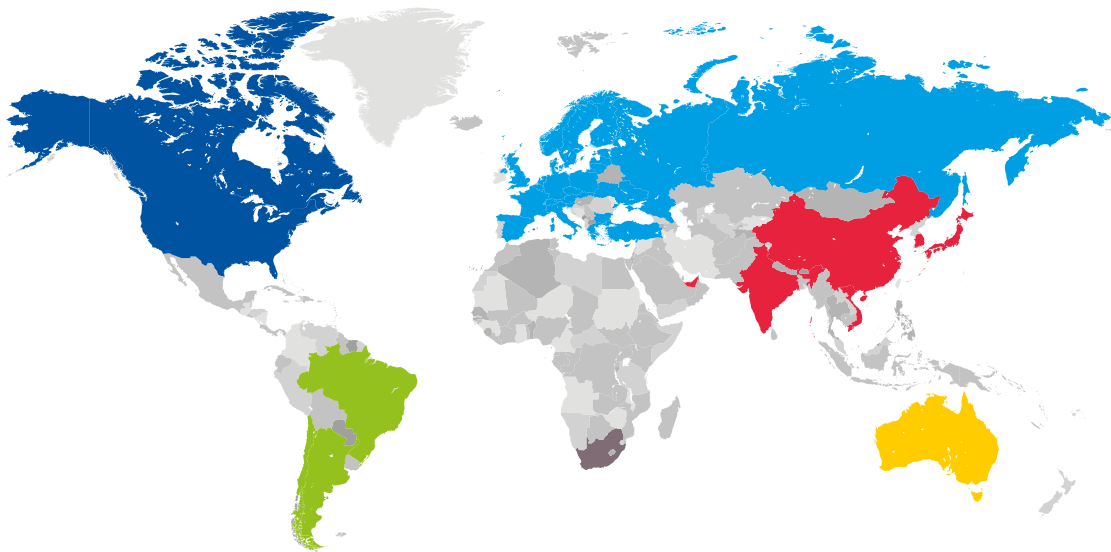
**Gordon Buchanan**,  
Senior Trader,  
**Stratton Metal Resources**



# WHO YOU WILL MEET AT ARGUS METALS WEEK

Promising another truly global learning and networking platform for the international metals industry, the 11th Argus Metals Week will see the return of NiCoMo and the 3T conflict minerals alongside battery materials. Today, your event hosts decision-makers from across the base metals, scrap and recycling, super-alloys, stainless steel, battery and complementary metals supply chains.

## Countries represented at past Argus metals events:



## Attendees by industry activity:

Other (Assayer, researcher, financial institution)	24%	Investment	4%
Consultant	2%	Manufacturer	12%
Consumer	11%	Mining	10%
Distributor	3%	Processor/Recycler	7%
Association/Government	3%	Producer	8%
		Trader	16%



# FIVE REASONS ATTENDEES COME BACK TIME AND TIME AGAIN



### 1. New contacts

"If you need partnerships, then you need to get out of your office and go to events like this."

PWC



### 2. Industry expertise

"Gives a valuable insight into the key drivers that are affecting the market. A must for supply chain professionals."

Tata Steel



### 3. 360' view of the metals market

"A good conference that focuses thoroughly on important raw materials."

Orim



### 4. New business

"It was beneficial on both the supply side and potential customer side. We made many great contacts that have already turned into business."

Greystone Alloys



### 5. Global networking platform

"This conference brings people from literally all over the world. It's a great place to find out what's going on in their business and make new relationships."

Avanti

## JOB TITLES OF THOSE YOU CAN EXPECT TO MEET

- Director, Raw Material Management and Quality Systems
- Head of Industrial Minerals & Metals
- Head of Strategic Cobalt Marketing
- Manager of Battery and Technology Materials
- President and CEO
- Director Tungsten Raw Material Procurement
- Director of Purchasing & Logistics
- Director International Business
- Base Metals Trader

Download a sample attendee list to find out who you could network at [www.argusmedia.com/metals-week](http://www.argusmedia.com/metals-week)

# Battery Materials Day One – Tuesday 26 February 2019

08:40 Morning registration and opening  

09:45  
**Producer's welcome**

**Tonika Campbell**, Metals, Senior Project Manager, **Argus**

09:50  
**Chairperson's opening address**

**Stuart Penson**, Senior Editor, Metals, **Argus**

## MARKET INSIGHT

10:00

**The economics of battery metals extraction**

- Lithium market dynamics
- Game theory scenario analysis
- Strategic options for producers through the lens of the lithium cost curve

**Laurent Cohen**, Global Marketing Manager, **Solvay**

10:30

**Battery market overview**

- The growth of Li-ion batteries
- Lithium, cobalt, nickel, copper, manganese: Supply overview
- Nickel metal hydride outlook
- New applications for batteries

**Ben Wrightsman**, President and Chief Executive Officer, **Battery Innovation Center**

11:00

**Assessing lithium ion raw material supply**

- Current supply picture
- Planned expansions by existing producers
- New production
- Are there sufficient lithium units to meet demand?
- Future prospects and outlook

**Charles Swindon**, Managing Director, **RJH Trading**

11:30 Morning coffee break  

## KEYNOTE PRESENTATION

12:00

**Keynote presentation: Where is the battery market heading?**

- Analysing EV batteries
- Assessing the Asian market: Japan, South Korea and China
- Examining the role of the Democratic Republic of Congo
- Future demand and outlook

**Koji Sakamoto**, General Manager, **Sumitomo Corporation Europe**

12:30

**Battery materials: Lithium-ion batteries value chain – from mine to market**

- Materials value chain analysis: A conceptual introduction
- Electric vehicle battery markets: Global demand projection
- Battery raw materials markets: Demand vs supply projections
- Strategic supply options: How to diversify risk for the downstream sector
- Battery value chain development: Recent perspectives from Germany

**Eibert Loois**, Managing Partner, **HiTech Materials Advisory**

13:00 Networking lunch break  

14:00

**Lithium production**

- Lithium availability
- Existing production expansion and new projects
- Unit quality constraints and possible delays in upgrading battery grades
- Assessing unit availability and the quality needed to meet the requirements for batteries

**Vincent Ledoux Pedailles**, Executive Director, **Infinity Lithium Corporation**

## MARKET INSIGHT

14:30

**Sustainable manufacturing of lithium and cobalt: From mine to manufacturing**

- Obtaining high-quality grade while minimising waste
- Assessing the role of green engineering and green chemistry
- How can chemistry be used to meet future lithium and cobalt production requirements in the battery market?
- Changing requirements and the role of recycling: Where are we now and forecasts for 2025

**Steven Izatt**, President and Chief Executive Officer, **IBC Advanced Technologies**

## PANEL DISCUSSION

15:00

**Panel discussion: Cell manufacturing, from Asia to Europe**

- How far behind Asia is European cell manufacturing?
- What barriers does Europe need to overcome to catch up with Asia?
- Cathode material production: Regional overview in the region
- Can cell manufacturing in Europe be sustainable?

*Panellists:*

**Ryan Parkin**, Managing Director and Chief Executive Officer, **Infinity Lithium Corporation**

**Koji Sakamoto**, Assistant Manager, **Sumitomo Corporation**

**Ben Wrightsman**, President and Chief Executive Officer, **Battery Innovation Center**

15:30 Afternoon coffee break  

## INTERACTIVE SESSION

16:00

**Roundtable discussions**

These roundtables offer you a chance to join the group of your choice and be led in discussion by an industry expert. It is an ideal opportunity to ease into the more informal networking of the evening, enjoying a drink while you meet delegates with similar interests and concerns. The conference team will be in touch with you in the run-up to the event to ask you to select your table of choice – if you would like to suggest a topic or leader for a discussion, please contact [Tonika.Campbell@argusmedia.com](mailto:Tonika.Campbell@argusmedia.com)

- Roundtable one: Lithium  
**Expert leader: Emilio Bunel**, Vice-President Innovation, **SQM**
- Roundtable two: Nickel and cobalt  
**Expert leader: Nicole Willing**, Editor, Argus Metals International, **Argus**
- Roundtable three: Alternative energy for power

16:45

**Roundtable conclusions**

17:00

**Chairperson's closing remarks and end of day one**

**Stuart Penson**, Senior Editor, Metals, **Argus**

17:20 Networking drinks reception  

# Battery Materials Day Two – Wednesday 27 February 2019

09:30 Morning registration and opening



10:00

## Chairperson's recap

Nicole Willing, Editor, Argus Metals International, **Argus**

## KEYNOTE PRESENTATION

10:10

### Keynote presentation: Global growth in the battery industry

- Opportunities and challenges
- The emerging global ecosystem
- Developing complex systems and opening doors to innovators
- Pushing the design envelope for high-performance, low-cost and safe energy storage solutions

Francisco Carranza, Managing Director, **Nissan Europe**

## MARKET INSIGHT

10:40

### Evolution of battery technology

- Overview of current lithium technologies
- Assessing how changes in the batteries industry are affecting the supply of raw materials
- Evolving standardisation of batteries
- Assessing the next 5-10 years for lithium and the development of batteries

Emilio Bunel, Vice-President Innovation, **SQM**

11:20 Morning coffee break



11:50

### Potential new source of high-purity manganese products

- Existing manganese supply
- Project updates and opportunities
- Analysing the effect of new manganese sources on the battery industry
- Outlook and prospects

Marco Romero, President and Chief Executive Officer, **Euro Manganese**

12:20

### The changing face of graphite resource

- Supply and demand landscape
- The new pattern of graphite resources and new requirements for new energy
- Changing requirements for graphite resources development
- Existing graphite resources and the development mode
- Current picture and prospects for the Chinese graphite market

Fabrizio Corti, Project Director Conductive Additives, **Imerys Graphite & Carbon**

## MARKET INSIGHT

12:50

### Supply and demand of cobalt and copper in the battery market

- Development projects
- Supply deficits with existing mines at full capacity
- Grade availability and sustainability
- Assessing the geopolitical picture affecting these markets

Hamish Collins, Managing Director, **Aeon Metals**

13:20 Networking lunch break



14:20

### Battery supply and demand landscape: Raw material to end use

- Assessing current sources of raw material supply
- Current grade availability and outlook
- An update on battery demand markets: Transportation, consumer electronics and renewables
- Improving the battery supply chain

Ken Brinsden, Managing Director and Chief Executive Officer, **Pilbara Minerals**

## MARKET INSIGHT

14:50

### Trends in lithium battery material composition

- How does this translate in tons of Li, Co, Ni
- How could the continuing revision of the EU Batteries Directive influence access to secondary materials?
- Future recycling requirements for lithium batteries
- Assessing the influence of recycling on primary materials needs in the long term

Claude Chanson, General Manager, **Recharge aisbl**

15:20

### Tin use potential in lithium-ion batteries

- Tin-based materials to maximise capacity
- How can tin be used to protect lithium and sodium electrodes?
- Production and supply benefits of using tin
- Current market picture and prospect

Jeremy Pearce, Technology Team Leader, **International Tin Association**

15:50

### Chairperson's closing speech and end of Battery Materials

Nicole Willing, Editor, Argus Metals International, **Argus**



# SnWtA Day One – Tuesday 26 February 2019

08:40 Morning registration and opening  

09:40

## Producer's welcome

**Tonika Campbell**, Metals, Senior Project Manager, **Argus**

09:45

## Chairperson's opening address

**Mark Seddon**, Senior Manager, Metals Consulting, **Argus**

## MARKET INSIGHT

10:00

### Addressing conflict-free sourcing in Asia

- Tackling Vietnam's conflict materials: Starting with the consumers
- Business sustainability: From mining to downstream operations
- Responsibility throughout the supply chain
- Assessing ways of processing materials

**Dominic Heaton**, Head of Strategic Initiatives, **Masan Resources**

10:30

### Tungsten pricing market

- Analysing current tungsten pricing mechanism
- Transparency of mechanism
- Outlook for global trade and how this will affect pricing mechanism


**Fedor Mironenko**, General Manager, **AVAS Trading**

11:00

### Supply and due diligence of the 3T's

- Africa's rise as a major supplier of Tantalum units to the world market over the last 10 years and Australia's decline
- Africa's current robust world position and the evolution of due diligence, traceability and its effect on the ASM landscape
- New sources of 3T's from South America and how that will affect supply
- Africa's dominance versus future demand and the rise of the digitised world

**Candida Owens**, Senior Trader and Company Director, **Cronimet**

11:30 Morning coffee break  

## MARKET INSIGHT

12:15

### Tin market outlook

- Market balance and price outlook
- Overview
- Consumption trends and prospects

## MARKET INSIGHT

12:45

### Factors affecting the growth of capacitors in the market

- What are the factors that will determine future growth?
- Analysing the global scale: Growth in customer demands for high-capacity powder
- High range, nano-scale powder and its capacity in the use of capacitors
- Demand in the market: The methodology of structured materials
- Highlighting the advantages of using the product in the current manufacturing climate

**Daniel Persico**, Senior Vice-President, Mergers and Acquisitions/TOKIN Integration, **KEMET Electronics**

13:15 Networking lunch break

14:15  

### European and North American supply

- Low-cost capacity into the market
- What are the supply sources in the Americas and Europe?
- Non-China supply highlights
- New production from Spain
- Consistency and availability outside China

**Michael Masterman**, Executive Chairman, **W Resource**

14:45

### Assessing tin supply

- Current supply overview
- South Crofty tin project update
- Assesses new use cases of tin
- Outlook for tin: Tin and new technology

**Richard Williams**, President, Chief Executive Officer and Director, **Strongbow Exploration**

15:15 Afternoon coffee break  

## INTERACTIVE SESSION

16:00

### Roundtable discussions

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- Roundtable one: Tin  
**Expert leader: Jeremy Pearce**, Technology Team Leader, **International Tin Association**
- Roundtable two: Tantalum  
**Expert leader: Frederic Delforge**, Senior Trader Specialty Metals, **Traxys**
- Roundtable three: Tungsten  
**Expert leader: Lewis Black**, Director, President and Chief Executive, **Almonty Industries**

16:45

### Roundtable conclusions

17:00

### Chairperson's closing remarks and end of day one

**Mark Seddon**, Senior Manager, Metals Consulting, **Argus**

17:20 Networking drinks reception  



# SnWTa Day Two – Wednesday 27 February 2019

10:00 Morning registration and opening  

10:30

## Chairperson's recap

Mark Seddon, Senior Manager, Metals Consulting, **Argus**

### MARKET INSIGHT

10:40

## Overview of the tantalum and niobium market

- An update on supply and demand dynamics
- New resource and mining acquisition
- Assessing new appliances in electrification and how this is supporting growth in the market



Polina Sparks, Analysis Editor, **Argus**

11:20

## Tungsten market change in Asia

- How has the market been affected by refinery closures in China after safety inspections?
- Production and raw material in Asia
- To what extent has China integrated to ammonium paratungstate (APT)?
- Stockpiles of APT in China and the overall impact on the tungsten market

Furkhat Faizulla, Deputy Director, **Advanced Material Japan Corp**

11:50 Morning coffee break  

12:20

## Tantalum capacitor trends and new challenges

- Benchmarking tantalum capacitors and other technologies
- High-energy density storage and delivery capability
- Assessing the use of tantalum capacitors in gallium nitride power systems
- New challenges
- Impact to the tantalum supply and demand market

Tomas Zednick, President, **European Passive Component Institute**

12:50

## Assessing the progression of alloys in the tungsten industry

- Overview of tungsten application
- Assessing the use of alloy demand in the aerospace, radiation shielding, motor sport and vibration-dampening markets
- How will supply to these markets affect demand and pricing of virgin metals?

13:20 Networking lunch break  

### INTERACTIVE SESSION

14:20

## Joint discussion: Carbide production, scrap and recycling

- Assessing the scale of the scrap and recycling market
- Examining raw feed supply to suppliers and consumers
- Recycling back to a core product
- Sorting and refining of scrap metals
- Cemented carbide applications
- What is the outlook for cemented carbide production, and its uses?

Karin Laursen, Strategic Raw Materials Purchasing Manager, **Global Tungsten & Powders**

Cliff Nance, President, **Tungco**

### MARKET INSIGHT

14:50

## Responsible sourcing and sustainability: A buyer's perspective

- Responsibility of the buyer
- Expectations of stakeholders and supply chain assurance across industries
- Due diligence implementation and assurance

Meera Pau Mehta, Corporate Responsibility Program Manager, **ArcelorMittal**

### PANEL DISCUSSION

15:20

## Cross-sector panel discussion: Conflict-free throughout the supply chain

- Update on Dodd-Frank Conflict Minerals Provision 1502: Outlook on the provision and its effect on the industry
- Assessing EU regulation and how this has impacted expansion
- Conflict-free sourcing initiatives throughout the supply chain: From mining to logistics and government involvement
- Assessing how the industry can support local development in the Democratic Republic of Congo (DRC) and neighbouring countries

*Panellists:*

Maarten Gassmann, Head of Asian Business, **Grondmet**

Jim McCombie, Trader, **Stapleford Trading**

Michele Bruelhart, Director of Innovations, **Responsible Minerals Initiative**

Karin Laursen, Strategic Raw Materials Purchasing Manager, **Global Tungsten & Powders**

15:50

## Chairperson's closing speech and end of SnWTa

Mark Seddon, Senior Manager, Metals Consulting, **Argus**





# NiCoMo Day One – Thursday 28 February 2019

08:00 Morning registration and opening



09:30

## Producer's welcome

**Tonika Campbell**, Metals, Senior Project Manager, **Argus**

09:35

## Chairperson's opening address

**David Brooks**, Senior Vice-President, **Metals, Argus**

09:45

## Cobalt responsible sourcing and sustainability

- Sustainability and responsible sourcing in the Democratic Republic of the Congo (DRC)
- The importance of methodology and compliance
- Analysing the relationship between supply, production and due diligence

**Michele Bruelhart**, Director of Innovations, **Responsible Minerals Initiative**

## PANEL DISCUSSION

10:15

### Panel discussion: Molybdenum in the geopolitical picture

- How has the molybdenum market been affected by China's clean air regime?
- How has the market been impacted by trade taxes?
- Assessing market demand from oil and gas projects: Does this mean sustainable demand growth?

*Panellists:*

**Ran Maimon**, Director, **Thh Molyprocessing**

**Barbara Buck**, Vice-President of Sales and Marketing, **Climax Molybdenum**

**Arnoud Willems**, Partner, **Sidley Austin**

10:45 Morning coffee break



## PANEL DISCUSSION

11:30

### Panel discussion: Examining cobalt supply and demand in the market

- How has the e-mobility boom affected market forecasts and outlook?
- Identifying opportunities and addressing challenges in the cobalt marketplace
- Examining future prospects and what this means for forecasting and supply

*Panellists:*

**Gordon Buchanan**, Senior Trader, **Stratton Metal Resources**

**Michael Insulan**, Senior Market Analyst, **Eurasian Resources Group**

12:00

### Nickel consumption in the battery market

- Increasing nickel iron in the battery market
- Nickel project overview
- Assessing the supply and demand landscape
- Dissolving briquettes in the market
- Analysing materials that can feed into the battery market
- How does nickel demand in Europe measure up, compared with the global picture?

**Anne Oxley**, Technical Director, **Brazilian Nickel**

12:30 Networking lunch break



## MARKET INSIGHT

14:00

### Nickel market overview

- Nickel supply
- Demand outlook
- Increasing nickel demand
- Forecast for the battery market
- Prospects and outlook in the nickel supply and demand landscape

**John Eastwood**, Head of Nickel Sales, **Anglo American**

## MARKET INSIGHT

14:30

### Stainless steel market developments

- State of the markets
- Stainless steel demand outlook: Is this much potential for continuing growth?
- How is stainless steel driving nickel demand expectations?
- Launch of Indonesian stainless steel production
- Latest trade politics developments

**Antti Saarela**, Manager Market Intelligence, **Outokumpu**

## PANEL DISCUSSION

15:00

### Panel discussion: Nickel or cobalt in the battery market?

- Why is nickel increasingly preferred to cobalt?
- What role does responsible sourcing play?
- Analysing nickel weight and stability in batteries
- Assessing technologies that favour nickel over cobalt
- Green manufacturing and sustainability

*Panellists:*

**Anne Oxley**, Technical Director, **Brazilian Nickel**

**Steven Izatt**, President and Chief Executive Officer, **IBC Advanced Technologies**

15:30 Afternoon coffee break



## INTERACTIVE SESSION

16:15

### Roundtable discussions

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- Roundtable one: Changing requirements in base metals  
**Expert leader: Michael Insulan**, Senior Market Analyst, **Eurasian Resources Group**
- Roundtable two: Aerospace supply and supplier's needs  
**Expert leader: Randall Inero**, Strategic Sourcing Manager for Mill Products, **Pratt & Whitney**
- Roundtable three: The needs of Li-ion  
**Expert leader: Catherine Girard**, Expert Leader Energy and Raw Materials, **Group Renault**
- Roundtable four: Growth in scrap and recycling in alloys  
**Expert leader: Daniele Sedge**, Product Manager, **ELG Utica Alloys**
- Roundtable five: New factors in molybdenum supply and demand  
**Expert leader: Barbara Buck**, Vice-President of Sales and Marketing, **Climax Molybdenum**

17:00

### Roundtable conclusions

17:15

### Chairperson's closing remarks and end of day one

**David Brooks**, Senior Vice-President, Metals, **Argus**

17:20 Networking drinks reception



# NiCoMo Day Two – Friday 1 March 2019

09:00 Morning registration and opening  

09:45

## Chairperson's recap

David Brooks, Senior Vice-President, Metals, Argus

### KEYNOTE PRESENTATION

09:50

## Keynote presentation: JOGMEC case study

- JOGMEC's strategy for securing metals used in the automotive industry
- Assessing sustainable and stable sources of supply
- Addressing environmental checks and increasing taxes: How is this affecting the supply chain?

Kojima Yoshihiro, Director, Japan Oil, Gas and Metals National Corporation (JOGMEC)

### MARKET INSIGHT

10:20

## Changes in the demands of the aerospace industry

- New developments in the market: What is leading these new developments?
- Superalloys and aerospace: Customers' needs
- Aerospace and scrap
- Future needs of the aerospace industry
- The needs of future metals related to carbon metals and superalloys

Bill Reid, Associate Director for Airfoil Castings, Structural Castings, Forgings and Mill Products Strategy, Pratt & Whitney

10:50 Morning coffee break  

11:20

## Analysing the chromium metal market

- New developments in the aerospace market: What is leading these developments?
- Latest industry trends and news
- High-strength nickel-base superalloys at cutting temperatures limiting speed capability

Yoran Guenegou, Sales and Marketing Director, DCX Chrome - Groupe Delachaux

11:50

## Analysing the trade war: Current and projected impact

- Trade war: The US and the rest of the world
- The impact on China
- How will this impact other metals?
- Projected changes in the flow of trade
- Tariff war: Short term and long term

Arnoud Willems, Partner, Sidley Austin

12:20 Networking lunch break

13:20

## Discussing ferrochrome and the ferroalloys market

- Production vs demand
- FeCr market development vs other alloys and metals with stainless and special applications
- Where will growth in supply come from - China, South Africa, Kazakhstan, India or elsewhere?
- Will the geopolitical situation have an impact on trade?: QT in US vs monetary stimulus in China
- Assessing changing dynamics in China and how this is impacting supply
- How is volatility in South Africa, India, Russia and Turkey impacting FeCr production and global supply

Dmitry Pastour, Chief Executive Officer, UNICHROME

### MARKET INSIGHT

13:50

## Cobalt usage for metal automotive applications outside of batteries

- Cobalt metal and cobalt compounds
- Implications of global regulatory concerns on the cobalt market
- Industry responses to cobalt classifications

Maxwell Shumba, Global Regulatory Compliance Director, Borchers America; Board Director, Cobalt Institute

14:20 Afternoon coffee break  

14:50

## 3D printing and the world of metal powders

- Demand for Ni, Co and Mo and other metals
- Metal powder supply and distribution
- Global picture on additive manufacturing and 3D printing

Sebastian Kreft, Managing Director, Metals Hub

### MARKET INSIGHT

15:20

## Innovative recycling of metal sludges and powder

- Big Picture and current market situation
- Recycling of sludges and powder containing chrome, nickel and moly
- Technology and innovation
- Assessing efficiency in the process

Filipe Costa, Chief Executive Officer, Cronimet Envirotec

15:50

## Chairperson's closing speech and end of NiCoMo

David Brooks, Senior Vice-President, Metals, Argus



# WORKING TOGETHER TO MEET YOUR OBJECTIVES

Argus Metals Week is the recognised industry leader and the only event to bring together all the major metal markets under one roof. Showcase your brand's leadership at the event that brings together the global metals industry. Whether you are looking to grow your sales pipeline or establish or cement your position as a leading organisation in the sector, Argus Metals Week 2019 provides you with the fastest route to market.

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### Executive briefing sponsorship

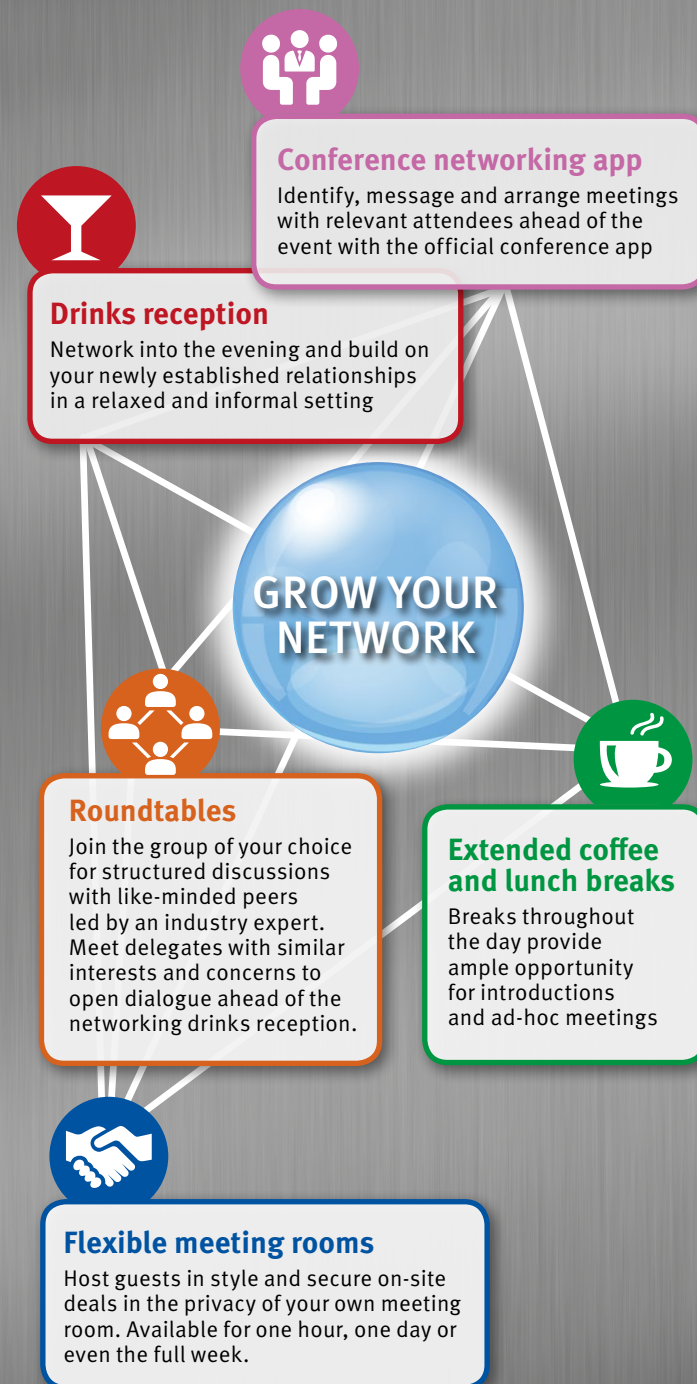
Need to target a specific group at the conference? Use the executive briefing to invite a select group of attendees to a short briefing hosted by you over breakfast or lunch.



### Delegate+ package

Book and brand a room in one of the on-site meeting rooms and receive early access to the delegate list.

# YOUR NETWORKING AGENDA



## Ready to get involved?

Have your own idea for reaching out to this captive audience? We have the resources to help you.

Contact me today: **Stewart Bundock**

@ [stewart.bundock@argusmedia.com](mailto:stewart.bundock@argusmedia.com)

+44 (0) 20 7780 4341

# Argus Metals Week 2019

Marriott Hotel Regents Park, London, UK



## CONFERENCE RATES:

STANDARD RATE	
<b>2 day conference pass (26-27 February 2019):</b> Battery Materials or SnWTa	£1299
<b>2 day conference pass (28 February-1 March 2019):</b> NiCoMo	£1549
<b>4 day conference pass (26 February-1 March 2019):</b> Battery Materials or SnWTa plus NiCoMo	£2299

## GROUP BOOKING DISCOUNT

Third and subsequent delegates from the same company can save between 10% to 20% on their registration fees – all bookings must be made at the same time to qualify.

3+

### Your conference fee includes:

- Participation in all conference sessions
- Networking lunch, refreshment breaks at the event
- Access to authorised speaker presentation

*Travel and accommodation are not included in the conference fee.*

### VAT information

\*As the conference is being held in the UK, all delegate tickets are subject to VAT. EU/non-EU businesses may be able to reclaim VAT charged through their local tax office. Please visit the event website for further details.

### Full terms and conditions can be viewed on our website

For any questions about your registration please contact us:

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@metalsweek@argusmedia.com

Register now at: [www.argusmedia.com/metals-week](http://www.argusmedia.com/metals-week)

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\*Refreshment services available through the hotel

