



**VIRTUAL EVENT**

**FEBRUARY 9, 2021**

Welding Process and  
Equipment Technologies



## **Stacey Blundell, 3M**

**Topic: Electronic Welding Helmet Safety**

Tuesday February 9, 2021

Speaking at 12:05PM to 12:25PM

*BIO: Stacey Blundell is a Certified Industrial Hygienist (CIH) and a Registered Occupational Hygienist (ROH). She has a Bachelor's Degree in Biology and a Master's Degree in Occupational Health. She has worked at 3M for over 20 years. Stacey started her career with 3M as a Corporate Industrial Hygienist supporting 3M's manufacturing sites in Ontario. She currently works for 3M's Personal Safety Division as an Application Engineer. Stacey provides bilingual technical, regulatory and product support for many of 3M's different personal protective equipment portfolios with an emphasis on 3M respiratory protection. She is based on Montreal, Quebec.*

We've committed ourselves to developing tools that will forever improve the world of the welder. From the first groundbreaking auto-darkening welding helmet in 1981 to our current lineup of state-of-the-art welding safety products, we continue to revolutionize your world.



## **Christian Oliver, ESAB**

### **Topic: Technological Breakthrough in Wire Feeder Design**

Tuesday February 9, 2021

Speaking at 12:35PM to 12:55PM

*BIO: Christian is a Welding Engineering Technologist with 20+ years of industry experience. He has held various sales positions at ESAB and currently is the Account Manager for the Greater Toronto Area Territory*

A new breakthrough in advanced wire feeder design will be introduced with its ergonomic and enclosed features, developed from the Voice of the Customer (VOC) feedback. It is the ideal partner wherever portability and durability are key.



## Ron Dyck, Linde

**Topic: StarGold Aluminum – Designed for high quality joining of aluminum and aluminum alloys**

Tuesday February 9, 2021  
Speaking at 1:05PM to 1:25PM

*BIO: Ron's metal fabrication journey started in 1978 when he became a First-Class Alberta Journeyman Welder. After welding for a few years, he took the Welding Engineering Technology program at SAIT and graduated in 1986 with Honors. Adding to that his 14 years of sales experience, his next step was to combine his extensive welding expertise with his in depth understanding of a customer's pain points to help customers analyze their welding and cutting process. Today with his 20 years as a Metfab Productivity Specialist, Ron can help identify and implement process changes to enhance productivity and reduce overall operating costs in your facility.*

Traditional gases used for GMAW & GTAW welding of aluminum alloys along with new shielding gas developments, detailing their comparative process and performance characteristics. High speed videos will be shown to demonstrate AC GTAW Cleaning Zone, AC GTAW Wire Melting & Root Penetration, and GMAW Arc Stability & Wetting.



## **Jim Gilbank, Messer Canada Inc.**

**Topic: Welding – Tune it like a Race Car**

**Tuesday February 9, 2021**

**Speaking at 1:35PM to 1:55PM**

*BIO: Jim is a Mechanical Engineering Technologist specializing in welding and concentrating on the wire welding processes. Jim graduated from Durham College in Oshawa many years ago and has loved the art and science of welding ever since. If there ever becomes a recognized career position such as a “Welding Economist”, Jim would love to be the first.*

*Jim has been a Welding Specialist for years and has worked in many industries of manufacturing and fabrication, including steel making, agricultural, structural and oil and gas. He has also enjoyed working for himself as a welding consultant for 3 years prior to joining Messer Canada as their welding specialist for the Midwest region of Canada.*

This entertaining presentation pinpoints the need for simple steps that lead to improved productivity. Welding methods, processes and parameters all play a part in the finished weld. Quality also improves when productivity is done properly. The presenter strongly believes that no matter what the present procedures are, improvements are always possible and various examples of efficiency gains are presented. Welding economics are taught and pointed out. Working in a global market magnifies the need for Best-in-Class welding methods and techniques more than ever!



## **Rob Ritchot, Lincoln Electric**

**Topic: Welding Fume Control – Since Wearing a Mask/Filter is Now Commonplace, Can We Do More?**

Tuesday February 9, 2021

Speaking at 2:30PM to 2:50PM

*BIO: Rob Ritchot is the District Manager at Lincoln Electric for the Midwest region in Canada. Productivity solutions including robotics and new developments in consumables and waveforms have been of particular interest. Rob graduated from University of Manitoba with a BSc of Engineering (AE) in 1987 and has worked at Lincoln Electric for the past 30 plus years. Welding cost reduction solutions was a focus and internal software was created to better understand the dynamics of costs in a shop situation. Recent initiatives have been focused heavily on improving the welding environment using today's latest technologies. Rob spent some 20 years involved in WIC/CWA Winnipeg Chapter executive performing just about every position. Activities enjoyed are fishing, camping, snowmobiling and of course the welding industry.*

Brief overview of some options available to reduce welding fume exposure. As only 25 minutes we will just provide a quick overview of the newer and traditional methods that are practical in a welding shop environment. Some ideas include welding fume guns, backdraft tables/panels and lower fuming pulse outputs as well as more of some of the more traditional options.



## Ryan Boyd, Walter Surface Technologies

**Topic: Walter & ArcOne – Advancements in ADF Technology & more Productive Welding PPE**

Tuesday February 9, 2021

Speaking at 3:00PM to 3:20PM

*BIO: Ryan Boyd has been with Walter for just over 6 years. He started with the marketing team before moving into product category management, and nearly two years ago he was tasked to take over Walter's product & sales training department. A fan of new technologies and creating engaging virtual training environments, he is committed to turning Zoom presentations into something interactive, live & memorable!*

Walter has been present in the metal working industry for nearly 60 years, always committed to providing innovative, high productivity solutions that always help the customer work better. In 2020, that commitment was reaffirmed with the acquisition of the ArcOne brand manufacturers of high quality and innovative safety, auto-darkening & welding PPE products.

Significant advancements in optical clarity with HD Technology, heightened sensitivity and responsiveness of welding lenses – resulting in “smarter” filters than ever before – and expanded light & dark state ranges, welders today are better equipped and better protected than ever before. These advancements have opened the door to more ergonomic solutions for welders, more flexible auto-darkening filter/helmet options that can sometimes replace traditional face shields, and much larger viewing areas giving the welder the ability to see more than they could have thought possible while welding. This presentation will touch on and demonstrate the industry-leading welding helmets & filter in the ArcOne portfolio, discuss in more depth the technological advancements made in ArcOne welding lenses, introduce some of the basic metalworking PPE, and highlight that the optical clarity you can experience with an auto-darkening filter today are second to none.



## **Jim Watkins, Walter Surface Tech.**

**Topic: Walter & ArcOne – Advancements in ADF Technology & more Productive Welding PPE**

Tuesday February 9, 2021  
Speaking at 3:00PM to 3:20PM

*BIO: Senior Product Manager of Personal Protective Equipment with Walter Surface Technologies. Previously, Engineering Manager for 20 years at ArcOne, before Walter acquired ArcOne in February 2020. At ArcOne developed and designed welding helmets, brow guards, and accessories for ArcOne and private label brands.*

Walter has been present in the metal working industry for nearly 60 years, always committed to providing innovative, high productivity solutions that always help the customer work better. In 2020, that commitment was reaffirmed with the acquisition of the ArcOne brand manufacturers of high quality and innovative safety, auto-darkening & welding PPE products. Over the last 20 years there have numerous improvements in auto-darkening technology of welding lenses, integral piece of safety equipment protecting a welder's eyes!

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## **Susan Fiore, Hobart Brothers**

### **Topic: Welding Fume Management and Control**

Tuesday February 9, 2021

Speaking at 3:30PM to 3:50PM

*BIO: Susan Fiore is an Advanced Applications Manager with ITW Hobart Brothers Welding. She is a Materials Engineer with over 30 years' experience in the welding industry. Her expertise covers a broad range of welding and weldability-related concerns. She has extensive experience with issues related to the weldability of steels and nickel-based alloys, product development and welding fume mitigation and control. She has worked extensively in the area of weld safety and health. In her current role with Hobart, she works closely with customers to resolve issues and to promote new ideas and welding innovations.*

*Susan is a Fellow of the American Welding Society and past chair of the AWS Safety and Health Committee. Prior to joining Hobart Brothers, she worked at Lawrence Livermore National Laboratory as Weld Safety Manager, and at Edison Welding Institute as a Project Manager and as a Senior Engineer.*

This presentation will provide a practical, step-by-step approach to reducing exposure to welding fumes. Comparisons will be made of different welding processes, types of consumables, shielding gases and more. Options for engineering controls and personal protective equipment will also be discussed. The primary focus will be low-alloy and mild steel welding, but other materials will be touched on as well.



## Max Ceron, CWB Association

### Topic: Carbon – Why it Does What it Does to Ferrous Metals

Tuesday February 9, 2021

Speaking at 4:00PM to 4:20PM

*BIO: Max has been in the steel trades since the age of 17. Throughout his career he has been a business owner, worked in the mining industry, custom fabrication, huge manufacturing plants, structural erection, high pressure piping, and even Hollywood movies. With a Red Seal in Welding, Steel Fabrication and a Blue Seal, Max has been able to be a part of very exciting projects across Canada and overseas. Max designed curriculum and taught Welding, Fabrication, and the new Innovative Manufacturing Program at Saskatchewan Polytechnic for 7 years.*

In the presentation we will discuss the integral properties carbon changes within iron and why and when we want more or less of it.



## Schedule: February 9, 2021

TIME SLOT	PRESENTER	AFFILIATION	SESSION TOPIC
12:00-12:05	Max Ceron	CWB Association	Introductions and systems check
12:05-12:25	Stacey Blundell	3M	Electronic Welding Helmet Safety
12:35-12:55	Christian Oliver	ESAB	Technological Breakthrough in Wire Feeder Design
1:05-1:25	Ron Dyck	Linde	StarGold Aluminum – Designed for high quality joining of aluminum and aluminum alloys
1:35-1:55	Jim Gilbank	Messer Canada Inc.	Welding – Tune it like a Race Car
2:00-2:20	Susan Crowley	CWB Welding Foundation	Update
2:20-2:30	Break		
2:30-2:50	Rob Ritchot	Lincoln Electric	Welding Fume Control: Since Wearing a Mask/Filter is Now Commonplace, Can We Do More?
3:00-3:20	Ryan Boyd/ Jim Watkins	Walter Surface Technologies	Walter & ArcOne – Advancements in ADF Technology & more Productive Welding PPE
3:30-3:50	Susan Fiore	Hobart Brothers	Welding Fume Management and Control
4:00-4:20	Max Ceron	CWBA	Carbon: Why it Does What it Does to Ferrous Metals
4:20-4:30	Max Ceron	CWBA	Closing remarks

*Presentations could change due to unforeseen technical or circumstances beyond our control.*



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