

## 2019 Molding Conference Sessions

| Session Title                                                                                             | Date and Time              | Location              | Track                                                                    | Speaker(s)                                               |
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| Pre-Conference Workshop: Additive Manufacturing Enables Un-Moldable Geometries of Better End-use Products | 03/18/2019<br>3:00 - 05:00 | Studio One            |                                                                          | Jason Lopes; Production Development Engineer; Carbon     |
| Breakfast & Registration                                                                                  | 03/19/2019<br>7:00 - 08:00 | Cosmopolitan Ballroom |                                                                          |                                                          |
| Data Gathering and Analysis: The Key to Tomorrow's 'Smart' Molding Plant                                  | 03/19/2019<br>8:00 - 08:30 | Cosmopolitan Ballroom |                                                                          | Alan Landers; Product Manager; Conair Group              |
| Scientific Molding & Process Development: Melt Quality & the Melting Process                              | 03/19/2019<br>8:30 - 08:50 | Cosmopolitan Ballroom | GS Best Practices: Molding for Consistent Quality & Optimum Productivity | John Bozzelli; Founder; Injection Molding Solutions      |
| Troubleshooting: Melt Delivery Systems Required for Scientific Molding                                    | 03/19/2019<br>8:50 - 09:10 | Cosmopolitan Ballroom | GS Best Practices: Molding for Consistent Quality & Optimum Productivity | Rich Oles; President/CEO; ALBA Enterprises               |
| Preventive Maintenance Versus the Killers of Machines & Auxiliaries                                       | 03/19/2019<br>9:10 - 09:30 | Cosmopolitan Ballroom | GS Best Practices: Molding for Consistent Quality & Optimum Productivity | Bill Hartwick; Business Director; Filter Specialties Co. |

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| Reducing Inspection Based on Data Driven Results from Design of Experiments (DOE) | 03/19/2019<br>9:30 - 10:00  | Cosmopolitan Ballroom | GS Best Practices: Molding for Consistent Quality & Optimum Productivity | Suhas Kulkarni; President; FimmTech Inc                                                                                                                                                                                                                                                                                                                                                                                           |
| Mid-Morning Networking Break                                                      | 03/19/2019<br>10:00 - 10:30 |                       |                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Connected Process - The Butterfly Effect of Process Changes                       | 03/19/2019<br>10:30 - 11:00 | Cosmopolitan Ballroom | GS Best Practices: Molding for Consistent Quality & Optimum Productivity | Robert Gattshall; Engineering Manager; IPL Plastics                                                                                                                                                                                                                                                                                                                                                                               |
| A Case History of Effective Training and the Future of Molding                    | 03/19/2019<br>11:00 - 11:30 | Cosmopolitan Ballroom | GS Best Practices: Molding for Consistent Quality & Optimum Productivity | Todd Bryant; Senior Lead Instructor; Paulson Plastics Academy   Don Paulson; Chairman; Paulson Training Programs Inc.                                                                                                                                                                                                                                                                                                             |
| Morning Recap Panel Discussion                                                    | 03/19/2019<br>11:30 - 12:00 | Cosmopolitan Ballroom | GS Best Practices: Molding for Consistent Quality & Optimum Productivity | Alan Landers; Product Manager; Conair Group   Robert Gattshall; Engineering Manager; IPL Plastics   John Bozzelli; Founder; Injection Molding Solutions   Bill Hartwick; Business Director; Filter Specialties Co.   Suhas Kulkarni; President; FimmTech Inc   Todd Bryant; Senior Lead Instructor; Paulson Plastics Academy   Don Paulson; Chairman; Paulson Training Programs Inc.   Rich Oles; President/CEO; ALBA Enterprises |
| Lunch                                                                             | 03/19/2019<br>12:00 - 01:30 | Cosmopolitan Ballroom |                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| R&D Tax Credits – Tax Savings for Innovation                                      | 03/19/2019<br>12:30 - 01:00 | Cosmopolitan Ballroom | GS Best Practices: Molding for Consistent Quality & Optimum Productivity | Michael Devereux; Partner and Director of Manufacturing, Distribution and Plastics Industry Services; Mueller Prost CPAs + Business Advisors                                                                                                                                                                                                                                                                                      |

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| In-Mold Decorating & In-Mold Electronics Market & Opportunities         | 03/19/2019<br>1:30 - 02:00 | Cosmopolitan Ballroom   | Medium & Large Parts Molding for Mechanical Performance & Aesthetics | Corey Reardon; President & CEO; AWA Alexander Watson Associates                      |
| What Does a Packaging Machine Need?                                     | 03/19/2019<br>1:30 - 02:00 | Discovery Breakout Room | Medical, Packaging & Precision Molding                               | Trevor Pruden; Engineering Manager; ARBURG Inc                                       |
| All-Electric Machines Prove Capable for High-Speed, Thin-Wall Packaging | 03/19/2019<br>2:00 - 02:30 | Discovery Breakout Room | Medical, Packaging & Precision Molding                               | Jim Overbeeke; Business Development Manager; Engel Global                            |
| What's New in In-Mold Decorating (IMD)                                  | 03/19/2019<br>2:00 - 02:30 | Cosmopolitan Ballroom   | Medium & Large Parts Molding for Mechanical Performance & Aesthetics | Joachim Kragl; Director of Advanced Injection Molding Systems; Engel Machinery, Inc. |
| Dual IMD & IML Injection Molding In a Single Cycle                      | 03/19/2019<br>2:30 - 03:00 | Cosmopolitan Ballroom   | Medium & Large Parts Molding for Mechanical Performance & Aesthetics | Jason Holbrook; Sales Manager; KraussMaffei                                          |
| Further Advances in Novel Low-Pressure Molding Process                  | 03/19/2019<br>2:30 - 03:00 | Discovery Breakout Room | Medical, Packaging & Precision Molding                               | Gene Altonen; CTO; iMFLUX                                                            |
| Mid-Afternoon Networking Break                                          | 03/19/2019<br>3:00 - 03:30 |                         |                                                                      |                                                                                      |
| Advances in Physical Foaming and Inspection Technology                  | 03/19/2019<br>3:30 - 04:00 | Discovery Breakout Room | Medical, Packaging & Precision Molding                               | Leo Devellian; Business Development Manager; Trexel                                  |
| Weight Reduction of Plastic Components with the Latest Technology       | 03/19/2019<br>3:30 - 04:00 | Cosmopolitan Ballroom   | Medium & Large Parts Molding for Mechanical Performance & Aesthetics | Trevor Pruden; Engineering Manager; ARBURG Inc                                       |

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| Multi-Nozzle Low-Pressure Injection Machines Enable Ultra-Large-Part Molding with Unique Benefits | 03/19/2019<br>4:00 - 04:30 | Cosmopolitan Ballroom   | Medium & Large Parts Molding for Mechanical Performance & Aesthetics | Eric Hallstrom; Business Manager Low-Pressure Molding Technologies; Milacron |
| New Approach to an Old Problem: Rethinking Injection-Unit Design for LSR and Thermoplastics       | 03/19/2019<br>4:00 - 04:30 | Discovery Breakout Room | Medical, Packaging & Precision Molding                               | Michael Durina; Owner; MD Plastics Inc.                                      |
| Boost Productivity and Aesthetics with Ultra High Flow ABS                                        | 03/19/2019<br>4:30 - 05:00 | Cosmopolitan Ballroom   | Medium & Large Parts Molding for Mechanical Performance & Aesthetics | Tom Chu; Business and Technology Development Manager; ELIX POLYMERS          |
| The Need for Small Dryers with the Advanced Features Normally Found Only on Larger Models         | 03/19/2019<br>4:30 - 05:00 | Discovery Breakout Room | Medical, Packaging & Precision Molding                               | Mike Mueller; Regional Sales; Moretto USA                                    |
| 6 Purging Tips for Molding Large Parts                                                            | 03/19/2019<br>5:00 - 05:30 | Cosmopolitan Ballroom   | Medium & Large Parts Molding for Mechanical Performance & Aesthetics | Jarred Packard; Project Engineer; ASACLEAN                                   |
| Making Full Traceability Automated & Accessible for Medical Molders                               | 03/19/2019<br>5:00 - 05:30 | Discovery Breakout Room | Medical, Packaging & Precision Molding                               | Paul Maguire; CEO; Riverdale Global                                          |
| Reception                                                                                         | 03/19/2019<br>5:30 - 07:00 |                         |                                                                      |                                                                              |
| Breakfast & Registration                                                                          | 03/20/2019<br>7:00 - 08:00 | Cosmopolitan Ballroom   |                                                                      |                                                                              |
| The Difference Between Designing for Additive Manufacturing and Injection Molding for Production  | 03/20/2019<br>8:00 - 08:30 | Cosmopolitan Ballroom   |                                                                      | Jason Lopes; Production Development Engineer; Carbon                         |

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| High-End Automation for High-Volume Consumables                                                         | 03/20/2019<br>8:30 - 09:00  | Cosmopolitan Ballroom   | GS Best Practices: Applying Robots & Automation    | Markus Klaus; General Manager; Hahn Plastics Automation, Inc.                             |
| Best Practices for Successful Robotics & Automation Projects                                            | 03/20/2019<br>9:00 - 09:30  | Cosmopolitan Ballroom   | GS Best Practices: Applying Robots & Automation    | Dino Caparco; Engineering Operations Manager; Yushin America, Inc.                        |
| Useful Tips on Applying Robots & Automation to Your Molding Process                                     | 03/20/2019<br>9:30 - 10:00  | Cosmopolitan Ballroom   | GS Best Practices: Applying Robots & Automation    | Jason Long; National Sales Manager- Robots & Automation; Wittmann Battenfeld              |
| Mid Morning Networking Break                                                                            | 03/20/2019<br>10:00 - 10:30 |                         |                                                    |                                                                                           |
| Expanding Robots & Automation in the Injection Molding Industry                                         | 03/20/2019<br>10:30 - 11:00 | Cosmopolitan Ballroom   | GS Best Practices: Applying Robots & Automation    | Steve Williams; Applications Engineer; Sepro America                                      |
| How to Evaluate Collaborative Robots for Plastics Production                                            | 03/20/2019<br>11:00 - 11:30 | Cosmopolitan Ballroom   | GS Best Practices: Applying Robots & Automation    | Andrew Jones; Sales Development Manager; Universal Robots                                 |
| Increase Press Productivity With Mold Change Speed, Reliability and Safety                              | 03/20/2019<br>11:30 - 12:00 | Cosmopolitan Ballroom   | GS Best Practices: Applying Robots & Automation    | Steve Nystrom; QMC Specialist & Key Account Manager; Staubli Corp.                        |
| Digital Alloys: New Metal Additive Manufacturing Technology - The Fastest Way to Make the Hardest Parts | 03/20/2019<br>12:30 - 01:00 | Cosmopolitan Ballroom   | GS Best Practices: Applying Robots & Automation    | Alex Huckstepp; VP Business Development; Digital Alloys                                   |
| Defect Prevention in LSR Molding Using Autonomous Optimization and "Virtual Molding" DOE                | 03/20/2019<br>1:30 - 02:00  | Discovery Breakout Room | LSR Molding                                        | Gabriel Geyne; Application Engineer; SIGMASOFT Virtual Molding                            |
| Improving OEE Scores with Dry Ice in Injection Molding                                                  | 03/20/2019<br>1:30 - 02:00  | Studio One              | Technology for Today's Molders                     | Steve Wilson; Global Business Unit Director - Plastics, Rubber & Composites; Cold Jet LLC |
| Setting Up a Digital Factory: Challenges, Stepwise Implementation & Available Tools                     | 03/20/2019<br>1:30 - 02:00  | Cosmopolitan Ballroom   | Preparing for the New Era of Digital Manufacturing | Erol Yurtluk; Sales Manager; TIG GmbH                                                     |

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| A Simpler Approach to Process & Production Monitoring and Process Control                                      | 03/20/2019<br>2:00 - 02:30 | Cosmopolitan Ballroom   | Preparing for the New Era of Digital Manufacturing | Andras Szucs; CTO; Cavity Eye Hungary Ltd.                                   |
| New Technology for Cold-Runner Control & Process Monitoring                                                    | 03/20/2019<br>2:00 - 02:30 | Discovery Breakout Room | LSR Molding                                        | Steve Broadbent; General Manager; ACH Solution USA Inc.                      |
| What Melt Temperature Analysis Can Do to Improve Your Process                                                  | 03/20/2019<br>2:00 - 02:30 | Studio One              | Technology for Today's Molders                     | Michael Durina; Owner; MD Plastics Inc.                                      |
| Building a Turnkey LSR Molding Cell from Prototype to Full-Scale Production                                    | 03/20/2019<br>2:30 - 03:00 | Discovery Breakout Room | LSR Molding                                        | Adam Shaal; Business Development Manager; Roembke Mfg & Design, Inc          |
| How Vacuum Drying Can Save Injection Molders Time, Money and Energy                                            | 03/20/2019<br>2:30 - 03:00 | Studio One              | Technology for Today's Molders                     | Brian Sampson; Sales Manager; Maguire Products, Inc.                         |
| Intelligent Industrial Automation: Using Your Process Data to Solve Quality, Downtime, and Production Problems | 03/20/2019<br>2:30 - 03:00 | Cosmopolitan Ballroom   | Preparing for the New Era of Digital Manufacturing | Willem Sundblad; CEO & Co-Founder; Oden Technologies                         |
| Mid-Afternoon Networking Break                                                                                 | 03/20/2019<br>3:00 - 03:30 |                         |                                                    |                                                                              |
| Remote Standardization, Validation, & Monitoring of Injection Molds                                            | 03/20/2019<br>3:30 - 04:00 | Cosmopolitan Ballroom   | Preparing for the New Era of Digital Manufacturing | Lorena Fisher; Specification Implementation Manager; Progressive Components  |
| Technology to Improve OEE, Repeatability & Profitability in LSR Molding                                        | 03/20/2019<br>3:30 - 04:00 | Discovery Breakout Room | LSR Molding                                        | Kent Royer; Technical product manager - electric injection molding; Milacron |
| Using Advanced Drying Techniques to Maintain Resin Properties & Avoid Yellowing                                | 03/20/2019<br>3:30 - 04:00 | Studio One              | Technology for Today's Molders                     | Mark Haynie; Dryer Product Manager; Novatec                                  |
| New Developments in LSR Metering Systems                                                                       | 03/20/2019<br>4:00 - 04:30 | Discovery Breakout Room | LSR Molding                                        | Bob Pelletier; Managing Director; ELMET North America Inc.                   |

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| Novel Device Requiring No Signal Conditioning to Detect Melt Position                                                                            | 03/20/2019<br>4:00 - 04:30 | Studio One              | Technology for Today's Molders                     | Brad Johnson; Lecturer in Engineering; Penn State Erie, The Behrend College            |
| Predictive Analytics Improve Auxiliary Uptime and Efficiency – Cloud Optional                                                                    | 03/20/2019<br>4:00 - 04:30 | Cosmopolitan Ballroom   | Preparing for the New Era of Digital Manufacturing | Jim Zinski; President & COO; MachineSense LLC                                          |
| 3D Printing or Injection Molding?                                                                                                                | 03/20/2019<br>4:30 - 05:00 | Discovery Breakout Room | LSR Molding                                        | Ken Burns; Technical Director; Forecast 3D                                             |
| New PP Modifiers Offer Molders Solutions to Improve Processability, Enhance Toughness/MFR Balance & Allow Use of More Recycled PP in Their Parts | 03/20/2019<br>4:30 - 05:00 | Studio One              | Technology for Today's Molders                     | Prem Patel; Global Strategy & Business Development Manager; Milliken & Company         |
| People 4.0—How Industry 4.0 Affects the Production Floor Employees                                                                               | 03/20/2019<br>4:30 - 05:00 | Cosmopolitan Ballroom   | Preparing for the New Era of Digital Manufacturing | Max Preston; General Manager; Smart Attend                                             |
| Effectively Reclaiming Scrap with Technologically Advanced Granulators                                                                           | 03/20/2019<br>5:00 - 05:30 | Studio One              | Technology for Today's Molders                     | Robert Harrison; Product Sales Manager - Size Reduction Group; Universal Dynamics, Inc |
| How to Calculate and Cut Correct Shrink into Your Tool Using Plastic Flow Analysis Simulation                                                    | 03/20/2019<br>5:00 - 05:30 | Cosmopolitan Ballroom   | Preparing for the New Era of Digital Manufacturing | Rick Carobus; President; EPS FloTek                                                    |
| Performance Enabling Designs, Expanded Process Windows & Reduced Waste Via Induction Heating Technology                                          | 03/20/2019<br>5:00 - 05:30 | Discovery Breakout Room | LSR Molding                                        | Thomas Vondrak; Material and Process Specialist; Roctool                               |
| Reception                                                                                                                                        | 03/20/2019<br>5:30 - 07:00 |                         |                                                    |                                                                                        |
| Breakfast & Registration                                                                                                                         | 03/21/2019<br>7:00 - 08:00 | Cosmopolitan Ballroom   |                                                    |                                                                                        |
| Strategies for Getting Your Mold Commissioned Faster                                                                                             | 03/21/2019<br>8:00 - 08:30 | Cosmopolitan Ballroom   |                                                    | Todd Bresson; Regional Sales Manager; Beaumont Technologies                            |

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| Process Cooling with VFDs and the Next Evolution of Mold-Temperature Control Units                | 03/21/2019<br>8:30 - 09:00  | Cosmopolitan Ballroom | GS Best Practices: Tooling & Cooling | Tom Stone; Aquatech National Sales Manager; Universal Dynamics                             |
| Water - What Are The Essential Requirements for Molding?                                          | 03/21/2019<br>9:00 - 09:30  | Cosmopolitan Ballroom | GS Best Practices: Tooling & Cooling | Rick Hagfors; National Sales Manager- Material Handling & Auxiliaries; Wittmann Battenfeld |
| Conformal Cooling: The Future of Thermal Control in Plastic Injection Molds                       | 03/21/2019<br>9:30 - 10:00  | Cosmopolitan Ballroom | GS Best Practices: Tooling & Cooling | David Moore; Business Development Manager - DME; Milacron                                  |
| Mid-Morning Networking Break                                                                      | 03/21/2019<br>10:00 - 10:30 |                       |                                      |                                                                                            |
| Optimizing Mold Cooling                                                                           | 03/21/2019<br>10:30 - 11:00 | Cosmopolitan Ballroom | GS Best Practices: Tooling & Cooling | Mark Brown; CEO; Burger & Brown Engineering                                                |
| Rethinking Nozzle Tips and Sprue Orifices                                                         | 03/21/2019<br>11:00 - 11:30 | Cosmopolitan Ballroom | GS Best Practices: Tooling & Cooling | Randy Kerkstra; Product Development; PCS Company                                           |
| How to Extinguish a Firefighting Culture in Mold Maintenance                                      | 03/21/2019<br>11:30 - 12:00 | Cosmopolitan Ballroom | GS Best Practices: Tooling & Cooling | Steve Johnson; President; MoldTrax LLC                                                     |
| Advanced Pin Control—From Simulation Through Process Development in Hot-Runner Valve-Gate Molding | 03/21/2019<br>12:00 - 12:30 | Cosmopolitan Ballroom | GS Best Practices: Tooling & Cooling | Robert Harvey; Sales Director NA; HRSflow                                                  |