



# Moldex3D Technology Conference 2017

21- 22 September, 2017

NH Milano Congress Centre, Milan, Italy

## Sponsors



# MTC 2017

## THE WORLD'S LEADING PLASTICS EXPERT CONFERENCE

---

Moldex3D Technology Conference (MTC) is held in order to strengthen Moldex3D worldwide users alliance and working relationship between industries, research institutes, and academia. This international forum provides unique opportunity for discussion on technical and practical solutions, lead by experts and professionals in the area of engineering, design, analysis and simulation.

MTC is consistent in providing up-to-date information on the latest technology in plastic engineering application. Over the years Moldex3D has developed by taking into account technology changes, market tendency and new ways in which engineers access information and pursue their own professional growth.

It is natural that specialists discuss their problems and findings with colleagues from the same field. However, there is an increasing tendency for engineers to look for solutions to their problems in other fields as well. MTC provides such opportunity; to connect specialists of different domains and bring them together for the advancement of analysis and simulation techniques, also to share their respective experience with Moldex3D in various applications.

It is our pleasure to welcome you to the MTC 2017 and we hope you will participate actively, with the many invited, leading professionals. We are sure you will find this event both enjoyable and rewarding.



Managing Director of Moldex3D EMEA  
Dannick Deng



President of Moldex3D Italia  
Giorgio Nava

# ABOUT MTC

---

Moldex3D Technology Conference (MTC) is the world's leading expert conference for plastic manufacturing and engineering. It's a forum where the latest development, technology and trends are presented and discussed.

As the top communication platform, MTC focuses on the real issues that drive the day to day lives of plastic technology professionals, providing the attendees access to valuable insider knowledge and establish useful contacts in the plastics industry.



# TOP 5 REASONS YOU SHOULD ATTEND MTC 2017

- | Learn from top professionals in the plastic industry from around the world about the current hot topics.
- | Learn how to leverage simulation technology to unleash the full potential of your new product design.
- | Listen to case studies and best practices from your industry peers.
- | Discuss the latest development and uncover exclusive insights into the most advanced plastic engineering applications.
- | Meet over 200 fellow specialists including industry leaders, technical experts, as well as hundreds of Moldex3D users.





# AGENDA

## DAY 1: Thursday, 21 Sep, 2017

TIME	SESSION	PRESENTER
08:30 - 09:00	<b>Registration</b>	
09:00 - 09:10	<b>Opening</b>	
09:10 - 10:00	Predict and Solve Stress Mark on Product's Cosmetic Surface Using Controlled Sequential Valve Gating (SVG) Simulation	Inglass - HRS
10:00 - 10:40	Moulding Simulations for Performance Improvement	SKF
10:40 - 11:00	<b>Coffee Break</b>	
11:00 - 11:30	Planarity and Warpage Tolerances in a Safety Valve: Design, Analysis, Simulation	Bitron group
11:30 - 12:00	High Thickness Parts- Conveyors Chains	REXNORD
12:00 - 12:30	Warpage Prediction on a Large Robot Part in Grilamid LVX-65H SST	ERTECO
12:30 - 13:30	<b>Lunch</b>	
13:30 - 14:10	Investigation of the Simulation Parameters Effects on the Microstructure-induced Mechanical Properties to Be Transferred to Structural FEM	Radici Group
14:10 - 14:50	Overmoulded Thermoplastic Composite Technology and Simulation	Proplast
14:50 - 15:30	Moldex3D Experiences in Asia / America	Moldex3D
15:30 - 16:00	<b>Coffee Break</b>	
16:00 - 16:10	<b>Simulate the Future: Industry-Education Cooperation Ceremony</b>	
16:10 - 16:50	Demonstration of an Effective Design Validation Tool for 3D Printed Injection Molds (3DPIM)	Stratasys
16:50 - 17:30	H&C Technology Simulation for Injection Molding Process	Industrial Frigo
17:30 - 19:00	<b>Aperitif</b>	

# AGENDA

---

## DAY 2: Friday, 22 Sep, 2017

TIME	SESSION	PRESENTER
<b>09:00 - 09:10</b>	<b>Opening</b>	
09:10 - 10:00	Short-Shot vs. Simulation and Project API	LEGO
10:00 - 10:40	Advanced Use of Injection Moulding Simulations at DSM Engineering Plastics	DSM
<b>10:40 - 11:00</b>	<b>Coffee Break</b>	
11:00 - 11:30	Simulation of the RTM Process for Aeronautical Components Using Moldex3D	CETMA – Brindisi
11:30 - 12:00	Problems and Solutions in a Mold for Rubber Components	Duci Guarnizioni
12:00 - 12:30	Real World Applications from Simulation to Manufacturing	RJG Inc.
<b>12:30 - 13:30</b>	<b>Lunch</b>	
13:30 - 14:10	Moldex3D R15 and Beyond	Moldex3D
14:10 - 14:50	Mold Flow Analysis and Intelligent Mould Manufacturing to Help the Evolution of OPPLE	OPPLE
14:50 - 15:30	Efficient End-to-End Design Workflow for Plastics and Composites	eXstream
<b>15:30 - 16:00</b>	<b>Feedback &amp; Closure</b>	

# FEATURED SPEAKERS

---

## **| INglass-HRSflow**

He has large experience on simulations with a strong focus on plastic injection moulding processes and materials, and a deep know-how on automotive components. Currently CAE Manager in INglass, based in San Polo di Piave, Italy, he is responsible to manage regional CAE teams in Italy, India, China, Brasil and Canada which provide support upfront to customer, T1 and OEM for injection process definition, including hot runner system concept, part design and quality optimization.



**Nicola Pavan**  
CAE Manager



**Dr. Lucien Douven**  
Senior design engineer

## **| DSM – Bright Science. Brighter Living.™**

Royal DSM is a global science-based company active in health, nutrition and materials. DSM delivers innovative solutions that nourish, protect and improve performance in global markets such as food and dietary supplements, personal care, feed, medical devices, automotive, paints, electrical and electronics, life protection, alternative energy and bio-based materials.

# FEATURED SPEAKERS

---

## **LEGO®**

The name 'LEGO' is an abbreviation of the two Danish words "leg godt", meaning "play well". It's our name and it's our ideal.

The LEGO Group was founded in 1932 by Ole Kirk Kristiansen. The company has passed from father to son and is now owned by Kjeld Kirk Kristiansen, a grandchild of the founder.

It has come a long way over the past almost 80 years - from a small carpenter's workshop to a modern, global enterprise that is now one of the world's largest manufacturers of toys.

The LEGO brick is our most important product. We are proud to have been named "Toy of the Century" twice. Our products have undergone extensive development over the years – but the foundation remains the traditional LEGO brick.

The brick in its present form was launched in 1958. The interlocking principle with its tubes makes it unique and offers unlimited building possibilities. It's just a matter of getting the imagination going – and letting a wealth of creative ideas emerge through play.



Brian Keith Sørensen  
CAE Manager



Patrick Guerrier  
CAE Engineer



# FEATURED SPEAKERS

---

## **SKF**

Richard Schaake started working at SKF's Engineering & Research Centre in the Netherlands after obtaining his PhD degree from the Technical University of Eindhoven in 2006. In SKF he has worked on sealing rubbers, injection molded thermoplastic components and carbon fiber composites. The main focus of his research is to correlate part performance to processing conditions using advanced modelling and characterization techniques.



**Dr. Richard Schaake**  
Senior Researcher, Sealing & Polymers



**Alessio Marangon**  
Cae Manager



**Tiziano Lotti**

## **Rexnord**

Rexnord Corporation is a Milwaukee, Wisconsin-based company, it was founded in 1891 by Christopher Levalley and incorporated in 1892 as the Chain Belt Company. Rexnord is a multiplatform industrial leader that serves a diverse array of global end markets.

Rexnord's Process & Motion Control platform provides high value, mission-critical solutions. Rexnord bearings, couplings and gears keep industry in motion – from power plants to mining operations. The conveyors components help make everything from cars to food. And, Rexnord aerospace products can be found throughout aircraft from the engine to the landing gear.

# FEATURED SPEAKERS

---

## **| Radici Group**

After obtaining a degree in Materials Engineer and Nanotechnology at “Politecnico di Milano” has been working since his graduation for RadiciGroup Performance Plastics in the field of FEA analysis where he provides supports and consulting for design, manufacturing and performance evaluation for components made with Engineering Plastics. The CAE studies range from Injection Molding Process to Structural simulation passing through, for advanced projects, the advanced approach which keeps into consideration the material properties induced by the process.



**Ghilardi Claudio**  
CAE Service Engineer

## **| Industrial Frigo**



**Roberto Peri**  
Cae Manager / Matteo Moratti  
Tech. Director

Industrial Frigo Srl was founded in 1969 and was established in Calcinato, Brescia. The company builds its experience in the sector of the industrial cooling and thermoregulation, acquiring high knowledge that makes it today one of the international leading company in this industrial sector

We pursue the perfection in thermoregulation and in the management of the production processes that require cooling, enhancing the best technologies, as well as the emotion of an intellectual involvement that rise from the pursuit of perfection in whatever we do. Our values are passion for excellence, meant as love for beauty, and ethics, meant as the establishment of long-term values through sustainability, transparency and people assessment.

# FEATURED SPEAKERS

---

## **ERTECO**

Our vision is to support our customers and work towards increasing their competitive advantage and success in the global market. We are one of the largest distributors of plastic and rubber materials on the Nordic market. Our materials come from leading manufacturers and are of the highest quality. The materials we provide range from bulk products, such as polyolefins and PS, to more advanced composite materials. Erteco is an entrepreneurial and privately owned company with a strong commitment to developing the Nordic polymer industry.



**Magnus Ullman**  
Technical Manager



**Hampus Johansson**  
Application Development  
Engineer



**Gil Robinson**  
Manager, Injection Molding,  
RP SBU

## **Stratasys**

Stratasys is Shaping Our World.

Every day, our customers find simpler, smarter approaches to stubborn design problems – and greater confidence to confront towering human and technological challenges. Less hindered by the usual constraints, they can imagine, design, iterate and replicate more freely than ever before. By providing the shortest possible path from idea to solid object, Stratasys empowers them to untangle complexity, tackle tough problems, uncover new solutions – and to do it all with the urgency our accelerating world demands.

# FEATURED SPEAKERS

---

## | Bitron group

Bitron is global privately held company leader in research, development and manufacturing of mechatronic devices and systems for the automotive, appliance, HVAC, medical and energy industries. In this era of rapid change, we believe that the only certain reference point is Man, with his extraordinary capability to adapt and succeed.

For this reason, our employees and the increasingly wider community of stakeholders are essential for our company to master economic, technological and environmental challenges successfully.



Salvatore Cappitella



Marco Buzzi



Ing. Diego Paris  
Mold Dpt. Manager

## | Duci Guarnizioni

Ing. Diego Paris is a mechanical engineer graduated at Engineering dpt. - University of Bergamo Italy, technical responsible of Product&Mold Development, Design and Cae at Duci Guarnizioni srl Chiuduno BG.

We have been producing O-rings since 1983, the foundation year. We have tested, produced and sold millions of O-rings, every year. We have made a success, sometimes we made mistakes, but nowadays, after more than twenty-five years of work, the Duci S.r.l. is one of the most famous companies in Europe, specialized in the production of O-rings and particular techniques in rubber.

# FEATURED SPEAKERS

---

## **| Proplast**

Degree in Materials Engineering and researcher at “Politecnico di Milano”, CAE analyst and project manager in Proplast’s Advanced Design Lab. Since 2009 he addressed in Proplast, specific non-conventional injection moulding processes such as Heat and Cool, Mucell foaming and thermoplastics composites forming and overmoulding. Now is Head of the Product Engineering Department at Proplast’s managing all CAD and CAE activities from the technical office together with pilot moulds and prototype manufacturing from the workshop. Andrea is managing also simulations and mould’s designs in training and post-bachelor courses at Proplast’s and at “Università degli studi di Torino”.



**Andrea Romeo**  
Head of Product Engineering  
Department



**Michele Rizzo**  
Cae Manager for  
Materials&Structure dpt.

## **| CETMA**

Senior researcher graduated in Materials Engineer at “University of Salento”, he has been working since his graduation for CETMA within the Modelling and Simulation Area of Materials and Structures Engineering Department. He has high skills in ceramic and composite material modelling and related process numerical analyses (resin transfer method, compression moulding, autoclave).



# FEATURED SPEAKERS

---

## **OPPLE**

Charlie Chen has been engaged in tooling development and production in companies in the United States, Germany, Taiwan and China, with more than 20 years of experience in advanced manufacturing technology research.

At present, the Graduate School of China's University is working as a graduate student. At the same time, the scheme of cooperation between universities and enterprises will be used to assist the upgrading of talents in manufacturing enterprises and the implementation of enterprise intelligent manufacturing.



Charlie Chen, PhD  
Board Director of OPPLE  
Professor of Jiao Tong &  
Tongji University



Kenny Lu  
Engineering Consultant for  
RJG, Inc.

## **RJG Inc.**

His plastics career started in 2000 as a structural engineer in Taiwan. He gained his knowledge of injection molding and associated interpretation skills for the following 12 years before moving to Michigan to run technical operations at Moldex3D North America. He worked closely with clients and solution's providers in the North American plastics industry, delivering software training, and consulting on application development and implementation of simulation in the engineering environment.

# FEATURED SPEAKERS

---

## **Moldex3D**

Moldex3D was founded in 1995, it has provided the professional plastic injection molding simulation solution for the plastic injection molding industry, and marketed worldwide.

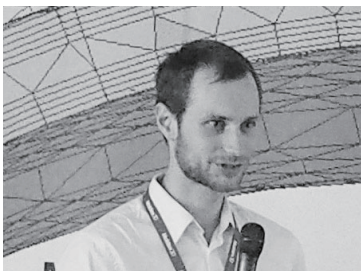
Committed to providing the advanced technologies and solution for industrial demands, Moldex3D has extended the worldwide sales and service network to provide local, immediate, and professional service. Nowadays, Moldex3D presents the innovation technology, which helps customers to troubleshoot from product design to development, to optimize design pattern, to shorten time-to-market, and maximize product ROI.



Venny Yang  
President of Moldex3D



David Hsu  
President of Moldex3D  
Product Team



Philippe Hébert  
Application Engineer and  
Product Manager at e-Xstream  
engineering SA

## **eXstream**

He learned his Master degree from UCL (Belgium) and Ecole Centrale Paris (France). He specializes in composite modeling and application of multiscale material models to finite element analysis. Account manager since 2015.

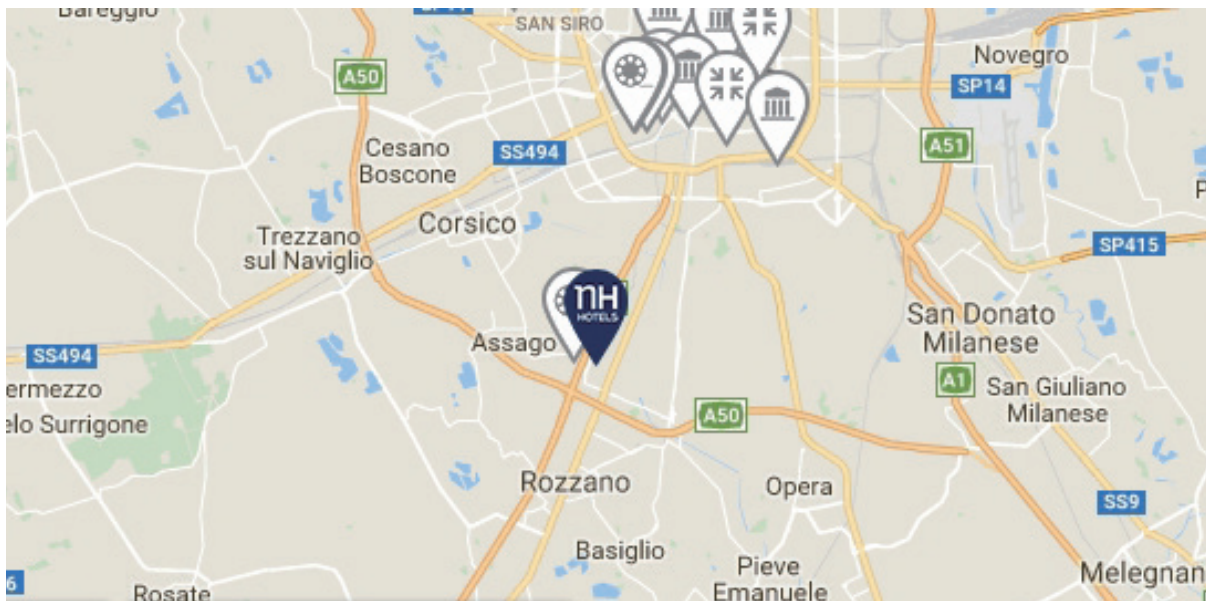
e-Xstream engineering is a leading global software and engineering services company, part of MSC Software group, offering an innovative composites simulation technology, 100% focused on holistic multi-scale modeling of complex multi-phase materials and structures: plastics (chopped, long), composites (woven, continuous, etc).

# LOCATION

---

## NH Milano Congress Centre

Assago Forum / Milanofiori Strada 2a, Milanofiori,  
20090 Assago Milan - Italy  
+39 02 82221





# REGISTRATION

---

Registration Fee

**Regular Rate**                      **Euro 200.00**

\* Registrants should complete the payment by 10th September

**Register Now**