



QForm Forum 2017. Berlin  
27-29 November

«Bulk forging, open die forging and ring rolling simulation.  
Effective solutions and latest developments»

**Location:**

Hotel  
Wyndham Garden Berlin: Mitte  
Berlin Mitte  
Osloer Str. 116 a  
13359 Berlin, Germany

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**Deadlines:**

Registration of participants:  
30 September 2017

Contact person (organizer):  
Mr. Paul Mordvintsev  
Head of Business Development Department  
QForm Group  
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**Cost of participation:**

350 Euro + VAT for participants  
200 Euro + VAT for accompanying persons  
Accompanying persons can participate in evening events on 27-28  
November and in excursion to BMW plant on 29 November  
Special price conditions are proposed for speakers.





When we started our commercial simulation software project that is now known as QForm many years ago we couldn't anticipate its future. We just hoped that it will be practically used in industry and bring some contribution to research and education. Today it is clear that the reality exceeded our the most optimistic expectations. QForm has become a world-wide software product that considerably contributes the progress in metal forming technology and science. Besides of forging technology, its simulation facilities have been extended to many other technologies and processes. They particularly include profile extrusion, shape and ring rolling, flow forming, cold forming with spring back effect, heat treatment, microstructure and properties prediction and many other fields of application.

Moreover, future development of QForm and its wide implementation is no longer just the business of the QForm team but has become, to some extent, the affair of the international simulation community. Thanks to very effective programming facilities of QForm, many researchers have developed their own models of material behavior, microstructure evolution, ductile fracture predicting etc. that can be used either privately or shared with the other members of the community, extending the margins of our software implementation.

Finally, I would like to mention the great contribution that QForm brings to education all around the world. Many universities and other educational institutions implement QForm for student's training and different projects. International Students Olympiad on Metal Forming has become a remarkable event that attracts attention of many students who see real benefits in learning simulation skills for their future career. We hope that the QForm Forum in Berlin will serve as a practical platform for mutually beneficial exchange of vital information between the developers of the software and the simulation user's community, and in turn bring QForm simulation to a new, more advanced level.

*Best regards,  
Dr. Nick Biba, Managing Director  
Micas Simulations Ltd., UK*

A handwritten signature in blue ink, appearing to read "Nick Biba".

**PRELIMINARY PROGRAM**

*27 November*

18:00	Check-in at Wyndham Garden Berlin Mitte Hotel
19:00	Joint dinner at the hotel

*28 November*

General Session 1 (language – English)

8:30	<b>Complimentary speech</b> <i>GMT mbH, Germany, CEO, Dr. Alexander Borowikow</i> <i>QForm Group, Micas Simulations Ltd., UK, Managing Director, Dr. Nick Biba</i>
8:40	<b>New possibilities of QForm VX 8.2</b> <i>QForm Group, Micas Simulations Ltd., UK, Managing Director, Dr. Nick Biba</i>
9:20	<b>New method of material flow defects prediction at metal forming simulation in QForm</b> <i>QForm Group, Head of Technical Support Department, Arthur Gartvig</i>
10:00	<b>Coffee break</b>
10:30	<b>New QForm heat treatment module</b> <i>QForm Group</i>
11:00	<b>Calculation and application of material models for forming simulations</b> <i>MatPlus, Germany, CEO, Dr. Uwe Diekmann</i>
11:30	<b>The material data system MatILDa®: Structure, content and application</b> <i>GMS, Germany, CEO, Jurgen Schenk</i>
12:00	<b>Practical experience in Heat Treatment simulation using QForm</b> <i>SpaceCAD, Bulgaria, Technical Support, Atanas Yordanov</i>
12:30	<b>Lunch</b>

## Session 2

Time	English Session	Time	German Session
13:30	<b>Advanced material models in QForm</b> <i>Micas Simulations Ltd., UK, Managing Director, Dr. Nick Biba</i>	13:30	<b>Master class: New possibilities in QForm VX 8.2</b> <i>QForm Group, Product Manager D/A/CH, Dmitry Gerasimov</i>
13:55	<b>Finite Element Modelling of Isothermal Forging of Titanium Aluminides</b> <i>BTU Cottbus, Germany, Prof. Markus Bambach</i>		
14:20	<b>Microstructural modelling in hot forging: coupled and de-coupled models</b> <i>Advanced Forming Research Centre, University of Strathclyde, UK Research Fellow, Dr. Olga Bylya Chief Technology Officer, Dr. Michael Ward</i>		
14:45	<b>The use of advanced simulation in QForm for design and comprehensive analysis of forging processes</b> <i>AGH, Poland, M.Sc., Eng., Research and Teaching Assistant, Łukasz Lisiecki</i>	14:45	<b>Material databases comparison</b> <i>MatPlus, Germany, CEO, Dr. Uwe Diekmann GMS, Germany, Material scientist, Doris Wehage</i>
15:10	<b>Coffee break</b>		
15:30	<b>Industrial implementation of ring and wheel rolling simulation</b> <i>QForm Group, QuantorForm Ltd., Russia, CEO, Dr. Sergey Stebunov</i>	15:30	<b>Master class: Prediction of flow defects in bulk forging</b> <i>QForm Group, Product Manager D/A/CH, Dmitry Gerasimov</i>
16:00	<b>Open die forging simulation in QForm</b> <i>QForm Group</i>		
16:30	<b>PLM Group Company. CAE service. Capabilities. Advantages</b> <i>PLM Ural, Russia</i>		
18:00	<b>Sightseeing tour: Evening Berlin by bus</b>		
20:00	<b>Dinner «Berliner Büfett» at hotel restaurant «Uhrwerk»</b>		

29 November

Session 3

Time	English Session	Time	German Session
8:30	<b>Master class: New possibilities in QForm VX 8.2</b> <i>QForm Group, Head of Technical Support Department, Arthur Gartvig</i> <i>Micas Simulations Ltd., UK,</i> <i>Managing Director, Dr. Nick Biba</i>	8:30	<b>Effective using of multitask and multicore options for simulation of metal forming processes in QForm software</b> <i>QForm Group, Product Manager</i> <i>D/A/CH, Dmitry Gerasimov</i>
		9:00	<b>Master class: Simulation of assembled tools</b> <i>QForm Group, Product Manager</i> <i>D/A/CH, Dmitry Gerasimov</i>
10:00	Coffee break		
10:30	<b>Master class: Prediction of flow defects in bulk forging</b> <i>QForm Group, Head of Technical Support Department, Arthur Gartvig</i> <i>Micas Simulations Ltd., UK,</i> <i>Managing Director, Dr. Nick Biba</i>	10:30	<b>Master class: Prediction of tool life by simulation of forging processes: simulation of die wear and fatigue failure</b> <i>QForm Group, Product Manager</i> <i>D/A/CH, Dmitry Gerasimov</i>
		11:15	<b>Master class: Technical report generation in QForm</b> <i>QForm Group, Product Manager</i> <i>D/A/CH, Dmitry Gerasimov</i>
12:30	Lunch at hotel restaurant «Uhrwerk»		
14:30	Excursion to BMW motorcycle plant in Berlin-Spandau (duration 2h 30min)		

**Attention!**

For more effective participation in QForm Forum, please, bring your laptop with you to be able to simulate interesting projects in new QForm VX 8.2 during event and to get new QForm simulation skills.

*This leaflet is provided for general information purposes only and may be subject to change without notice. Date of issue: 22 August 2017*