QForm Forum 2017. Berlin
27-29 November

Bulk forging, ring rolling and heat treatment simulation. Effective solutions and latest developments

Contact person:

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For registration of participants:

Fill the form at www.qform3d.com/berlin
Or send an email to market@qform3d.com
Application forms are accepted up to 3 November

Location:

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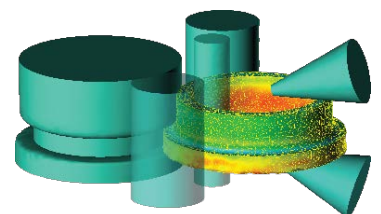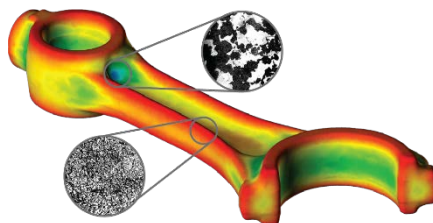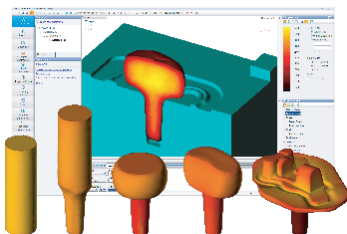Osloer Str. 116 a
13359 Berlin, Germany

For hotel reservation:
+49 (0)30 4950003224
+49 (0)30 495000497
katrin.sieben@gchbm.de
www.wyndhamgardenberlin.com

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.

Recommendation:

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.
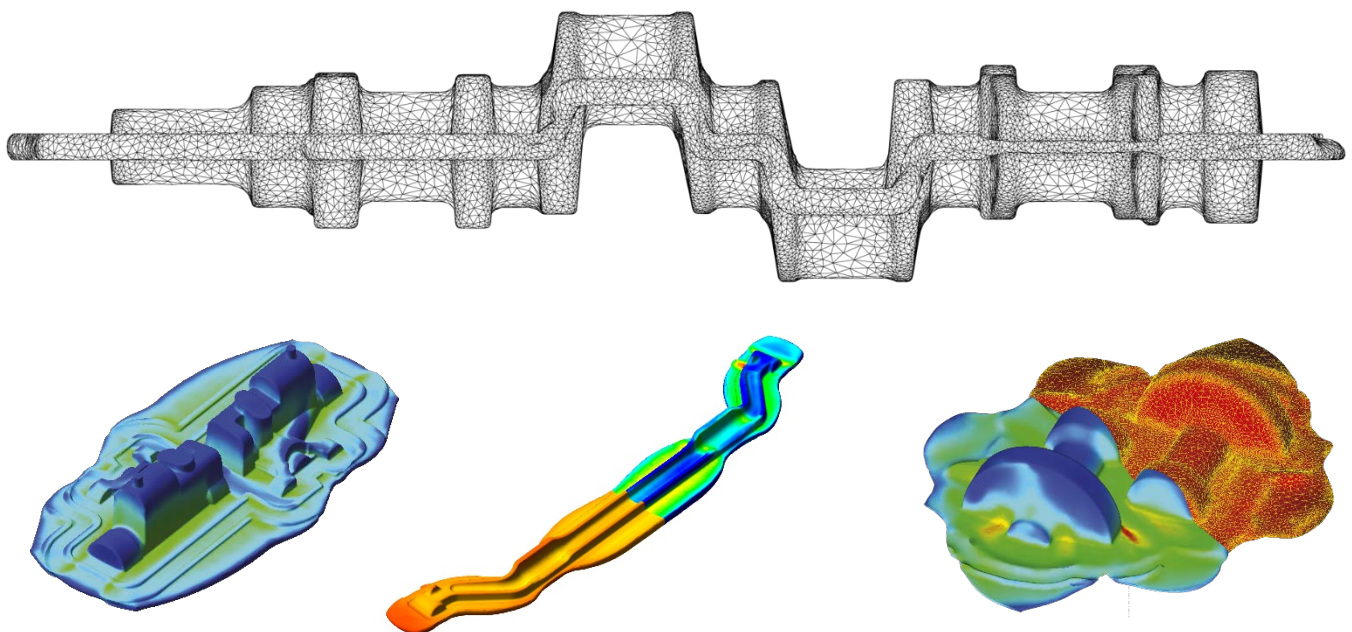
When we started our commercial simulation software project that is now known as QForm many years ago we couldn't anticipate its future. We just hoped that it will be practically used in industry and bring some contribution to research and education. Today it is clear that the reality exceeded our the 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

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	**Complimentary speech** *GMT mbH, Germany, CEO, Dr. Alexander Borowikow* *QForm Group, Micas Simulations Ltd., UK, Managing Director, Dr. Nick Biba*
8:35	**New possibilities of QForm VX 8.2** *QForm Group, Micas Simulations Ltd., UK, Managing Director, Dr. Nick Biba*
9:00	**New method of material flow defects prediction at metal forming simulation in QForm** *QForm Group, Head of Technical Support Department, Arthur Gartvig*
9:30	**Industrial implementation of ring and wheel rolling simulation** *QForm Group, QuantorForm Ltd., Russia, CEO, Dr. Sergey Stebunov*
10:00	**Coffee break**
10:30	**Effective using of multitask and multicore options for simulation of metal forming processes in QForm software** *QForm Group, Product Manager D/A/CH, Dmitry Gerasimov*
11:00	**New QForm heat treatment module** *QForm Group, Micas Simulations Ltd., UK, Managing Director, Dr. Nick Biba*
11:30	**Calculation and application of material models for forming simulations** *MatPlus GmbH, Germany, CEO, Dr. Uwe Diekmann*
12:00	**The material data system MatILDa®: Structure, content and application** *GMS mbH, Germany, CEO, Jurgen Schenk*
12:30	**Lunch**

Session 2

Time	English Session	Time	German Session
13:30	**Modelling and optimization of the multi-stage hot forming processes with the help of QForm program** *AGH, Poland, Prof. Andrij Milenin, Prof. M.Pietrzyk* *IMZ, Poland, Prof. R.Kuziak*	13:30	**Master class: New possibilities in QForm VX 8.2** *QForm Group, Product Manager D/A/CH, Dmitry Gerasimov*
13:55	**Finite Element Modelling of Isothermal Forging of Titanium Aluminides** *BTU Cottbus, Germany, Prof. Markus Bambach*		
14:20	**Microstructural modelling in hot forging: coupled and de-coupled models** *Advanced Forming Research Centre, University of Strathclyde, UK* *Research Fellow, Dr. Olga Bylya* *Chief Technology Officer, Dr. Michael Ward*		

Time	English Session	Time	German Session
14:45	**The use of advanced simulation in QForm for design and comprehensive analysis of forging processes** *AGH, Poland, M.Sc., Eng., Research and Teaching Assistant, Łukasz Lisiecki*	14:45	**Material databases comparison** *MatPlus GmbH, Germany, CEO, Dr. Uwe Diekmann* *GMS, Germany, Material scientist, Doris Wehage*
15:10	**Coffee break**		
15:30	**Simulation of composite forging of hybrid powder-solid components made of steel and aluminum** *University of Hannover, IFUM, Germany, Maiwand Hootak*	15:30	**Master class: Prediction of flow defects in bulk forging** *QForm Group, Product Manager D/A/CH, Dmitry Gerasimov*
15:55	**PLM Group Company. CAE service. Capabilities. Advantages** *PLM Ural, Russia, Sergei Zyrianov*		
16:20	**Practical experience in Heat Treatment simulation using QForm** *SpaceCAD, Bulgaria, Technical Support, Atanas Yordanov*		
18:00	**Sightseeing tour: Evening Berlin by bus**		
20:00	**Dinner «Berliner Büfett» at hotel restaurant «Uhrwerk»**		

29 November. Session 3

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

This leaflet is provided for general information purposes only and may be subject to change without notice. Date of issue: 20 October 2017