

BEARING RELIABILITY CONFERENCE & EXPO

DORTMUND, 10 - 12 OCTOBER 2017

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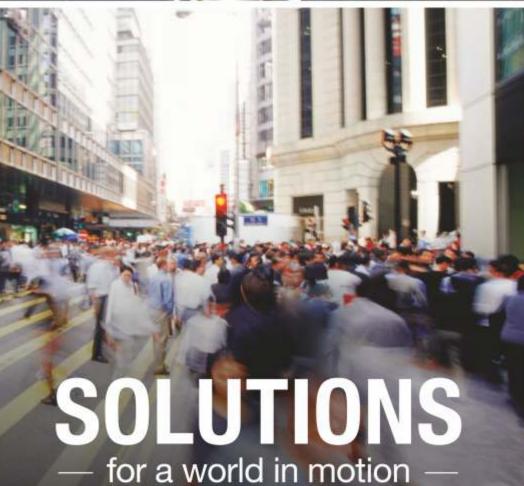
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GGB-CSM®



| Exhibition | Description | Date |
|-----------------------------|--|----------------------|
| STEELFAB | Steel production and metal manufacturing event | 16 Jan - 19 Jan 2017 |
| GARMENTECH | Show for textile machinery | 18 Jan - 21 Jan 2017 |
| UPAKOVKA | Russian version of Interpack | 24 Jan - 27 Jan 2017 |
| ALL AUTOMATION | Regional automation show of Hamburg | 25 Jan - 26 Jan 2017 |
| AUTOMECHANIKA | International automotive parts exhibition | 31 Jan - 02 Feb 2017 |
| EXPO MANUFACTURA | Manufacturing and equipment expo | 07 Feb - 09 Feb 2017 |
| MD&M WEST | Cutting-edge medical technology | 07 Feb - 09 Feb 2017 |
| WIN EURASIA METAL WORKING | Manufacturing technology, machine tools, surface treatment exhibition | 09 Feb - 13 Feb 2017 |
| TURNING DAYS | Trade fair for the turning technology | 14 Feb - 17 Feb 2017 |
| CIBEX EAST-AFRICA | Expo for construction, infrastructure and energy | 15 Feb - 17 Feb 2017 |
| SAMOTER | earth moving and construction machinery | 22 Feb - 25 Feb 2017 |
| ADG | Australia's oil & gas event | 22 Feb - 24 Feb 2017 |
| KIAE | International automotive parts exhibition | 28 Feb - 02 Mar 2017 |
| EURASIA RAIL | Exhibition for the railway and rolling stock industry in Turkey | 02 Mar - 04 Mar 2017 |
| CFIA | Dedicated to production, maintenance, packaging and logistics for the manufacturers in the food-processing | 07 Mar - 09 Mar 2017 |
| Z SUBCONTRACTING | International subcontracting fair for parts, components, modules and technologies | 07 Mar - 10 Mar 2017 |
| EXPOAGRO | Agriculture machinery exhibition | 87 Mar - 10 Mar 2017 |
| INTEC | International trade fair for machine tools, manufacturing and automation | 07 Mar - 10 Mar 2017 |
| CONEXPO | Construction industry exhibition with 2,500+ exhibitors | 7 Mar - 11 Mar 2017 |
| IFPE | The show for the latest innovations and expertise in the fluid power, power transmission and motion control industries | 7 Mar - 11 Mar 2017 |
| ALL AUTOMATION | | 08 Mar - 09 Mar 2017 |
| AUTOMECHANIKA | International automotive parts exhibition | 15 Mar - 17 Mar 2017 |
| AUTOMECHANIKA | International automation costs cultilities | 15 Mar - 18 Mar 2017 |
| MANUFACTURING EXPO | | 14 Mar - 16 Mar 2017 |
| | Manufacturing and equipment expo | |
| INTRA LOGISTICS | Materials handling exhibition for industry and distribution | 14 Mar - 16 Mar 2017 |
| AUTOMECHANIKA | International automotive parts exhibition | 14 Mar - 16 Mar 2017 |
| AUTOMATICON | Automation exhibition of Poland | 14 Mar - 17 Mar 2017 |
| WIN EURASIA | Manufacturing technology, automation, material handling exhibition | 16 Mar - 19 Mar 2017 |
| AGROTECH | Agriculture machinery | 17 Mar - 19 Mar 2017 |
| ICE EUROPE | International paper converting fair | 21 Mar - 23 Mar 2017 |
| SIFER | International exhibition of railway technology | 21 Mar - 23 Mar 2017 |
| SOUTHERN MANUFACTURING | Regional manufacturing technology, electronics and subcontracting exhibition | 21 Mar - 23 Mar 2017 |
| PROPAK VIETNAM | Processing, packaging, handling machinery | 21 Mar - 23 Mar 2017 |
| AUTOMECHANIKA | International automotive parts exhibition | 21 Mar - 24 Mar 2017 |
| MECSPE | Fair for the manufacturing industry | 23 Mar - 25 Mar 2017 |
| EUROSTAMPI | European die, mold and injection machines exhibition | 23 Mar - 25 Mar 2017 |
| MACCHINE & UTENSILI | Machine tools and metal working exhibition | 23 Mar - 25 Mar 2017 |
| BORUTELRULO | Metal pipe, wire and coil manufacturing exhibition | 23 Mar - 25 Mar 2017 |
| AUTOMECHANIKA | International automotive parts exhibition | 23 Mar - 25 Mar 2017 |
| MAINTENANCE DORTMUND | Regional maintenance show | 29 Mar - 30 Mar 2017 |
| PUMPS & VALVES | Exhibitions for industrial pumps and valves | 29 Mar - 30 Mar 2017 |
| INMEX VIETNAM | Shipbuilding conference and exhibition | 29 Mar - 31 Mar 2017 |
| INDUSTRIE LYON | French exhibition for production technologies | 04 Apr - 07 Apr 2017 |
| AUTOMECHANIKA | International automotive parts exhibition | 06 Apr - 09 Apr 2017 |
| KOREA MAT | Materials handling & logistics | 18 Apr - 21 Apr 2017 |
| HANNOVER MESSE | Industrial exhibition for motion drive automation & industrial supply | 24 Apr - 28 Apr 2017 |
| ICE USA | International paper converting fair | 25 Apr - 27 Apr 2017 |
| MININGWORLD | International exhibition of machines and equipment for mining, processing and transportation of minerals | 25 Apr - 27 Apr 2017 |
| CIM 2017 | Canada's mining market place | 30 Apr - 3 May 2017 |
| AGRISHOW | Agriculture machinery exhibition | 01 May - 05 May 2017 |
| OTC | The Offshore Technology Conference | 01 May - 04 May 2017 |
| AGRA2017 | Agriculture machinery exhibition | 04 May - 07 May 2017 |
| INTERPACK | Processes and machinery for the packaging of food, beverages, consumer goods (non-food), industrial goods , etc. | 04 May - 10 May 2017 |
| AUTOMECHANIKA | International automotive parts exhibition | 07 May - 09 May 2017 |
| TECHTEXTIL | Specialized technical fair for manufactuing textiles and fabrics | 09 May - 12 May 2017 |
| TEPROCESS | International trade fair for garment-manufacturing and textile processing | 09 May - 12 May 2017 |
| NATIONAL MANUFACTURING WEEK | General industry and manufacturing expo | 09 May - 12 May 2017 |
| NAVEXPO | The maritime business meeting and expo | 10 May - 12 May 2017 |
| | | |
| METALLOOBRABOTKA | Instruments and tools for the metal working industry | 15 May - 19 May 2017 |
| MAINTENANCE STUTTGART | Regional maintenance show | 17 May - 18 May 2017 |
| OGU | Oil & Gas conference and exhibition | 17 May - 19 May 2017 |
| MTM | Machine tool & metalworking technology exhibition | 24 May - 27 May 2017 |
| BIEMH | Metal cutting, metal forming and machine-tools | 28 May - 81 Jun 2017 |
| CTT | Part of BAUMA network | 30 May - 03 Jun 2017 |



| Dubai Dhaka Moscow Hamburg | UAE Bangladesh | www.steelfabme.com | MANUFACTURING |
|-------------------------------------|-------------------|--|--------------------|
| Moscow | | | MANUFACIUNING |
| | Dunidanesii. | http://garmentechdhaka.com | TEXTILE MACHINERY |
| Hamburg | Russia | www.upakovka-tradefair.com | MATERIALS HANDLING |
| | Germany | www.automation-hamburg.com | AUTOMATION |
| Jeddah | Saudi Arabia | www.automechanika.Jeddah.com | AUTOMOTIVE |
| Monterrey | Mexico | www.expomanufactura.com.mx | MANUFACTURING |
| Anaheim | USA | http://b.mdmwest.mddionline.com | MEDICAL TECHNOLOGY |
| Istanbul | Turkey | http://win-metalworking.com/tr | MACHINE TOOLS |
| Friedrichshafen | Germany | www.tuming-days.de | MACHINING |
| Nairobi | Kenya | www.cibexeastafrica.com | CONSTRUCTION |
| Verona | Italy | www.samoter.it | CONSTRUCTION |
| Perth | Australia | www.aogexpo.com.au | OIL & GAS |
| Astana | Kazakhstan | www.kiae.kz | AUTOMOTIVE |
| Istanbul | Turkey | www.eurasiarail.eu | RAILWAY |
| Rennes | France | http://cfiaexpo.com/ | MATERIALS HANDLING |
| Leipzig | Germany | www.subcontractingfair.com | MANUFACTURING |
| Buenos Aires | Argentina | www.expoagro.com.ar | AGRICULTURE |
| Leipzig | Germany | www.messe-intec.com | MACHINE TOOLS |
| Las Vegas | USA | www.conexpoconagg.com | MACHINERY |
| Las Vegas | USA | www.ifpe.com | POWER TRANSMISSION |
| Friedrichshafen | Germany | www.automation-friedrichshafen.com | AUTOMATION |
| Ho Chi Minh | Vietnam | www.automechanika-hcmc.com | AUTOMOTIVE |
| Madrid | Spain | www.motortec-automechanika-iberica.com | AUTOMOTIVE |
| Lagos | Nigeria | www.nigeriamanufacturingexpo.com | GENERAL INDUSTRY |
| Paris | France | www.intralogistics-europe.com | MATERIALS HANDLING |
| St. Petersburg | Russia | http://automechanika-spb.com | AUTOMOTIVE |
| Warsaw | Poland | http://rosmould.com | AUTOMATION |
| Istanbul | Turkey | http://win-automation.com/tr | AUTOMATION |
| Kielce | Poland | http://targikielce.pl | AGRICULTURE |
| Munich | Germany | www.ice-x.com | PAPER |
| Lille | France | www.sifer2017.com | RAILWAY |
| Hampshire | UK | www.industrysouth.co.uk | MANUFACTURING |
| Ho Chi Minh | Vietnam | www.propakvietnam.com | PACKAGING |
| New Delhi | India | http://?acma-automechanika-newdelhi.?in.?messefrankfurt.?com | AUTOMOTIVE |
| Parma | Italy | www.mecspe.com | MANUFACTURING |
| Parma | Italy | www.mecspe.com | MOLDING MACHINERY |
| Parma | Italy | www.mecspe.com | MACHINE TOOLS |
| Istanbul | Turkey | http://tube-wire-coil-fair.com | MACHINERY |
| Kuala Lumpur | Malaysia | www.automechanika-kualalumpur.com | AUTOMOTIVE |
| Dortmund | Germany | www.easyfairs.com | MAINTENANCE |
| Dortmund | Germany | www.easyfairs.com | PUMP INDUSTRY |
| Ho Chi Minh | Vietnam | www.maritimeshows.com/vietnam | MARINE |
| Lyon | France | www.industrie-expo.com | MACHINERY |
| Istanbul | Turkey | http://?automechanika-istanbul-tr.?messefrankfurt.?com | AUTOMOTIVE |
| Seoul | Korea | www.koreamat.org | MATERIALS HANDLING |
| Hannover | Germany | www.hannovermesse.de | GENERAL INDUSTRY |
| Orlando | USA | http://www.ice-x.com | PAPER |
| Moscow | Russia | www.miningworld.ru | MINING |
| Montreal | Canada | http://convention.cim.org | MINING |
| Sao Paulo | Brazil | www.agrishow.com.br/en | AGRICULTURE |
| Houston | USA | http://2017.otcnet.org/ | OFFSHORE |
| Leipzig | Germany | www.agra2017.de | AGRICULTURE |
| Düsseldorf | Germany | www.interpack.com | MATERIALS HANDLING |
| Dubai | UAE | www.automechanikadubai.com | AUTOMOTIVE |
| Frankfurt | Germany | techtextil messefrankfurt.com | TEXTILE MACHINERY |
| Frankfurt | Germany | http://lexprocess.messefrankfurt.com | TEXTILE MACHINERY |
| Melbourne | Australia | www.nationalmanufacturingweek.com.au | MANUFACTURING |
| Lorient | France | www.navexpo.com | MARINE |
| Moscow | Russia | www.metobr-expo.ru/en | MACHINE TOOLS |
| Stuttgart | Germany | www.easyfairs.com | MAINTENANCE |
| Tashkent | Uzbekistan | www.casyrans.com www.oilgas.uz | OIL & GAS |
| Kuala Lumpur | Malaysia | www.metaltech.com.my | MACHINE TOOLS |
| | Spain | http://cevisama.feriavalencia.com | MACHINE TOOLS |
| Bilbao | Jpan | www.ctt-moscow.com | PAGNINE 100E3 |



| Exhibition | Description | Date |
|--|--|--|
| MOLD EXPO | Molding machinery and technology | 30 May - 02 Jun 2017 |
| SUBCON | Manufacturing supply chain and manufacturing | 06 Jun - 08 Jun 2017 |
| AUTOMECHANIKA | International automotive parts exhibition | 06 Jun - 08 Jun 2017 |
| ITM POLSKA | Machine tools and metal working exhibition | 06 Jun - 09 Jun 2017 |
| UGOL ROSSI&MINING | Coal and metals mining, processing, handling expo | 06 Jun - 09 Jun 2017 |
| SIL | Exhibition for logistics and material handling | 06 Jun - 08 Jun 2017 |
| CASPIAN OIL&GAS | 24th Caspian International Oil & Gas Exhibition | 06 Jun - 09 Jun 2017 |
| QUEBEC WIND ENERGY | Wind energy conference | 12 Jun - 14 Jun 2017 |
| MD&M EAST | Cutting-edge medical technology | 13 Jun - 15 Jun 2017 |
| EXPO PACK | Mark Transfer Angles An | 48 4 45 4 6040 |
| FOOMA | Food & beverage exhibition | 13 Jun - 16 Jun 2017 |
| AUTOMECHANIKA | International automotive parts exhibition | 14 Jun - 16 Jun 2017 |
| 200200000000000000000000000000000000000 | | THE PROPERTY OF THE PROPERTY O |
| PARIS AIR SHOW | International aerospace exhibition | 19 Jun - 25 Jun 2017 |
| POWER-GEN EUROPE | Power generation equipment, environmental control equipment and services | 20 Jun - 22 Jun 2017 |
| AUTOMOTIVE COMPONENTS | Automotive components and suppliers show | 20 Jun - 22 Jun 2017 |
| ROSUPACK | Exhibition for the packaging machinery | 20 Jun - 23 Jun 2017 |
| ROSMOULD | Mold making machinery and tooling | 20 Jun - 22 Jun 2017 |
| TECTEXTIL NORTH AMERICA | Techtextil North America assembles all vertical aspects of the technical textile industry | 20 Jun - 22 Jun 2017 |
| ALL AUTOMATION | Regional automation show of Essen | 21 Jun - 22 Jun 2017 |
| METEF | Metal industry processing, machining, technologies, machinery | 21 Jun - 24 Jun 2017 |
| MANUFACTURING JAPAN | Cutting edge mechanical components/manufacturing services | 21 Jun - 23 Jun 2017 |
| FISTAL TECNOLOGIA | Food and beverage machinery & processing event | 27 Jun - 30 Jun 2017 |
| MTA VIETNAM | Precision engineering, machine tools and metalworking | 04 Jul - 07 Jul 2017 |
| GFT | Textile machinery exhibition | 05 Jul - 08 Jul 2017 |
| AUTOMECHANIKA | International automotive parts exhibition | 21 Aug - 24 Aug 2017 |
| CIROS | China international robotics show | 06 Jul - 09 Jul 2017 |
| AUTOMECHANIKA | International automotive parts exhibition | 26 Jul - 28 Jul 2017 |
| | | |
| MARINTEC SOUTH AMERICA | Maritieme maintenance and shipbuilding | 15 Aug - 17 Aug 2017 |
| INAMARINE PROGRAMME PURPOS | Shipbuilding, offshore, marine equipment and machinery expo | 23 Aug - 25 Aug 2017 |
| OFFSHORE EUROPE | Biggest affshore event of Europe | 05 Sep - 08 Sep 2017 |
| DRINKTEC | World's leading fair for processing, filling, packaging of beverage | 11 Sep - 15 Sep 2017 |
| BALTEXPO | Technologies and solutions available for the maritime industry. | 11 Sep - 13 Sep 2017 |
| EMO HANNOVER | EMO Hannover is the world's most international trade fair for metalworking | 18 Sep - 23 Sep 2017 |
| CeMAT RUSSIA | International Exhibition for materials handling, warehousing equipment and logistics | |
| KAZCOMAK | Kazakhstan road and heavy construction machinery exhibition | 20 Sep - 23 Sep 2017 |
| MINING WORLD CENTRAL ASIA | Central Asian mining exploration & mining equipment exhibition | 20 Sep - 23 Sep 2017 |
| EPTDA CONVENTION | Annual event of the EMEA Power Transmission Distributors Association | 20 Can 22 Can 2017 |
| HYBRID | Production of hybrid components and applications | 22 Sep - 24 Sep 2017 |
| POWTECH | Trade fair for processing, analysis, and handling of powder and bulk solids | 26 Sep - 28 Sep 2017 |
| ALL AUTOMATION | Regional automation show of Hamburg | 27 Sep - 28 Sep 2017 |
| AUTOMECHANIKA | International automotive parts exhibition | 27 Sep - 28 Sep 2017 |
| PTDA INDUSTRY SUMMIT | Annual event of the Power Transmission Distributors Association | 27 Sep - 30 Sep 2017 |
| MOTEK | International trade fair for automation in production and assembly | 09 Oct - 12 Oct 2017 |
| AGROPRODMASH | Machine & equipment foor food and beverage industry | 09 Oct - 13 Oct 2017 |
| | | |
| MSV | International engineering fair | 09 Oct - 13 Oct 2017 |
| BRCE 2017 | Bearing reliability conference and expo | |
| MINING MYANMAR | Minreal mining machinery & equipment | 12 Oct - 14 Oct 2017 |
| METALEX | Metalworking, components and subcontracting | 12 Oct - 14 Oct 2017 |
| AGACMAKINE | Wood processing machinery expo | 14 Oct - 18 Oct 2017 |
| DEWEK | Wind energy conference & expo | 17 Oct - 18 Oct 2017 |
| MCM | Maintenance conference and expo | 18 Oct - 19 Oct 2017 |
| EUROMOLD | Fair for mold- and patternmaking, tooling, design, additive manufacturing and product development. | 24 Oct - 26 oct 2017 |
| PCV EXPO | International exhibition for pumps, compressors, valves and actuators | 24 Oct - 26 Oct 2017 |
| EURASIA PACKAGING | International packaging machinery fair | 25 Oct - 28 Oct 2017 |
| ISTANBUL FOOD-TECH | exhibition for food and beverage production chain | 25 Oct - 28 Oct 2017 |
| CeMAT ASIA | Material handling, automation, transport/logistics fair | 31 Oct - 03 Nov 2017 |
| PTC ASIA | Power transmission and control exhibition | 31 Oct - 03 Nov 2017 |
| AllPack Indonesia Expo | Processing, packaging, handling machinery | 01 Nov - 04 Nov 2017 |
| MWCS | Metalworking and machine tools event | |
| FMB | The supplier show for mechanical engineering | 09 Nov - 11 Nov 2017 |
| AGRITECH | The world's largest trade fair for agricultural machinery and equipment | 12 Nov -18 Nov 2017 |
| | International exhibition and conference on the next generation of manufacturing technologies | |
| FORMNEXT | | 14 Nov - 17 Nov 2017 |
| METAL EXPO | Steel manufacturing exhibition | 14 Nov - 17 Nov 2017 |
| HANDLING EXPO | Industrial material handling and storage exhibition | 16 Nov - 19 Nov 2017 |
| MACTECH | Industrial machine-, cutting tools and welding | |
| EUROPACK | Exhibition for process, packing and handling | 21 Nov - 23 Nov 2017 |
| TOL EXPO | Exhibition for process, packing and handling International exhibition for sheet metal, coil, tube machinery and section equipment | 21 Nav - 24 Nav 2017 |
| METALEX | lotal metal working solutions | 22 Nov - 25 Nov 2017 |
| SPS IPC DRIVES | MINIOUS CONTRACT CONT | 20 Nov. 20 Nov. 2017 |
| EWEA | WindEurope conference & exhibition | 28 Nov - 30 Nov 2017 |
| YUGAGRO | International exhibition of agricultural machinery and equipment | 28 Nov - 01 Dec 2017 |
| | International automotive parts exhibition | 29 Nov - 02 Dec 2017 |
| AUTOMECHANIKA | THE PROPERTY OF THE PROPERTY O | 67 HOV - 02 DEC 2017 |
| AUTOMECHANIKA MANUFACTURING INDONESIA | Machine trole, manufacturing and industrial automation | |
| AUTOMECHANIKA MANUFACTURING INDONESIA MIDEST PARIS | Machine tools, manufacturing and industrial automation Maintenance, subcontracting and industrial equipment | 06 Dec - 09 Dec 2017 06 Dec - 09 Dec 2017 |

| City | Country | Website | Industry |
|---------------------------|-------------------|---|---------------------------------------|
| Stuttgart | Germany | www.messe-stuttgart.de/en/moulding-expo | MOLDING MACHINERY |
| Birmingham | UK | www.subconshow.co.uk | GENERAL INDUSTRY |
| Birmingham | UK | www.automechanika-birmingham.com | AUTOMOTIVE |
| Poznan | Poland | www.itm-polska.pl | GENERAL INDUSTRY |
| Novokutznetsk | Russia | www.ugol-rossii.com | MINING |
| Barcelona | Spain | www.ifema.es | MATERIALS HANDLING |
| Baku | Azerbaijan | www.caspianoilgas.az | OIL & GAS |
| Quebec | Canada | https://www.eolien.ca/ | WIND ENERGY |
| New York | USA | http://mdmeast.mddionline.com/ | MEDICAL TECHNOLOGY |
| Guadalajara | Mexico | www.expopack.com.mx | MATERIALS HANDLING |
| Tokyo | Japan | www.foomajapan.jp | FOOD & BEVERAGE |
| Mexico City | Mexico | www.paaceautomechanika.com | AUTOMOTIVE |
| Paris | France | www.siae.fr | AEROSPACE |
| Cologne | Germany | www.powergeneurope.com | ENERGY |
| Stuttgart | Germany | www.globalautomotivecomponentsandsuppliersexpo.com | AUTOMOTIVE PACKAGING |
| Moscow Moscow | Russia Russia | www.rosupack.com http://rosmould.com | MOLDING |
| | USA | http://dechtextil-northamerica.us.messefrankfurt.com | TEXTILE MACHINERY |
| Chicago Essen | | www.automation-essen.com | AUTOMATION |
| Verona | Germany Italy | www.metef.com | MACHINERY |
| Tokyo | Japan | www.japan-mfg.jp | MANUFACTURING |
| Sao Paulo | Brazil | www.fispaltecnologia.com.br/en | FOOD & BEVERAGE |
| Ho Chi Minh | Vietnam | www.mspaties.nougia.com.uven | MACHINE TOOLS |
| BangKok | Thailand | www.gftexpo.com | TEXTILE MACHINERY |
| Moscow | Russia | http://automechanika-russia.messefrankfurt.com | AUTOMOTIVE |
| Shanghai | China | http://en.ciros.com.cn | ROBOTICS |
| Chicago | USA | www.automechanikachicago.com | AUTOMOTIVE |
| Rio de Janeiro | Brazil | www.marintecsa.com.br/en | MARINE |
| Jakarta | Indonesia | www.inamarine-exhibition.net | MARINE |
| Aberdeen | UK | www.offshore-europe.co.uk | OFFSHORE |
| Munich | Germany | www.drinktec.com | BEVERAGE |
| Gdansk | Poland | www.baltexpo.ztw.pl | MARINE |
| Hannover | Germany | www.emo-hannover.de | MACHINE TOOLS |
| Mascow | Russia | www.cemat-russia.ru | MATERIALS HANDLING |
| Almaty | Kazakhstan | www.kazcomak.kz/en | CONSTRUCTION |
| Almaty | Kazakhstan | http://miningworld.kz/en | MINING |
| Rome | Italy | www.eptda.org | POWER TRANSMISSION |
| Stuttgart | Germany | www.hybrid-expo.com | MANUFACTURING |
| Nuremberg | Germany | www.powtech.de | MATERIALS HANDLING |
| Leipzig | Germany | www.automation-leipzig.com | AUTOMATION |
| Johannesburg | South-Africa | www.automechanikasa.co.za | AUTOMOTIVE |
| Hollywood | USA | www.ptda.org | POWER TRANSMISSION |
| Stuttgart | Germany | www.motek-messe.de | AUTOMATION |
| Moscow | Russia | www.agroprodmash-expo.ru/en | FOOD & BEVERAGE |
| Bmo | Czech Republic | www.bvv.cz/en/msv | GENERAL INDUSTRY |
| Dortmund | Germany | www.bearingreliabilityconference.com | MAINTENANCE |
| Yangon | Myanmar | www.miningmyanmar.com/mining | MINING |
| Saigon | Vietnam | www.metalexvietnam.com | MANUFACTURING |
| Istanbul | Turkey | http://agacmakinesi.com/en | MACHINERY |
| Bremen | Germany | www.dewek.de | WIND ENERGY |
| Verona | Italy | www.mcmonline.it | MAINTENANCE |
| Munich | Germany | www.euromold.com | MOLDING MACHINERY |
| Moscow | Russia | www.pcvexpo.ru/en-GB | PUMPS |
| Istanbul | Turkey | www.packagingfair.com/en | PACKAGING |
| Istanbul | Turkey | www.foodtecheurasia.com | FOOD & BEVERAGE |
| Shanghai | China | www.cemat-asia.com/EN | MATERIALS HANDLING |
| Shanghai | China | www.ptc-asia.com/EN | POWER TRANSMISSION |
| Jakarta | Indonesia | http://allpack-indonesia.com | MATERIALS HANDLING |
| Shanghai Bad Salzuflen | China | www.metalworkingchina.com/EN | MACHINE TOOLS |
| | Germany | www.fmb-messe.de | MECHANICAL ENGINEERING AGRICULTURE |
| Hannover | Germany | www.agritechnica.com/ | |
| Frankfurt Moscow | Germany Russia | www.mesago.de www.metal-expo.ru/en | MACHINERY STEEL |
| Cairo | | www.metat-expo.ru/en www.handlingexpo.com | MATERIALS HANDLING |
| Cairo | Egypt Egypt | www.mandingexpo.com www.mactech.com.eg | MACHINE TOOLS |
| Lyon | Egypt France | www.mactech.com.eg www.europack-euromanut-cfia.com | MATERIALS HANDLING |
| Paris | France | www.tolexpo.com | MACHINERY |
| BangKok | Thailand | www.metalex.co.th | MACHINE TOOLS |
| Nuremberg | Germany | www.mesago.de/en/sps/home | AUTOMATION |
| Amsterdam | Netherlands | https://windeurope.org | WINDPOWER |
| Krasnodar | Russia | www.yugagro.org | AGRICULTURE |
| Shanghai | China | www.automechanika-shanghai.com | AUTOMOTIVE |
| Jakarta | Indonesia | http://machinetoolindonesia.com | MACHINE TOOLS |
| Paris | France | www.midest.com/en | GENERAL INDUSTRY |
| Mumbai | India | www.win-india.com | GENERAL INDUSTRY |
| | | | |



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2nd Edition of BRCE

will be held from 10 to 12 October 2017

The Bearing and Reliability Conference & Expo

Due to the great success of the BRCE event that ran on 22 – 23 March 2016 and the request of many participants to run it again, the agenda is set for 2017.

The first edition of the Bearing Reliability Conference & Expo is held with over 120 participants from 11 different countries, where the industry players found the chance to come together during a two days' knowledge & networking event.

All the attendees experienced for two days long 28 powerful speakers from both the bearing \otimes reliability competences, listened to selected experts presenting their strategies to make the bearing and their assets more reliable. There were in total 8 workshops designed to help implementing the best strategies and the chance to visit the key industrial players at the Exhibition center.

After the mega successful first edition of BRCE2016, the decision is made quickly to continue with this great concept and to run BRCE2017 in the Westfalenhallen Dortmund in Autumn 2017.

The BRCE 2017 event will be a memorable event- consisting of:

- 4 Key Note Presentations (1 hour Duration) The Global Gurus
- 16 Global Bearing and Reliability Presentations (30 Minutes each) The Industrial Experts
- 32 Bearing and Reliability Application Presentations (30 Minutes each) The Best Practices in Maintenance (2 corners in the expo area)
- A memorable dinner for fun, sharing experiences and networking



BRCE Agenda 2017

Key Applications and the Maintenance

| DAY 2 | Key Topics | Other Topics |
|-------|--------------------------|-------------------------|
| | Vibration Monitoring | Sensors |
| | Bearing Monitoring | Remote Monitoring |
| | Ultra Sound | Diagnostics |
| | Oil Analysis | Skill Development |
| 08:00 | Bearing Failure Analysis | Certification |
| 17:15 | Tools and Equipment | Service and Consultancy |

Industrial Maintenance and Reliability

| | DAY 1 | Key Topics | Other Topics |
|---|-------|--------------------------|--------------------|
| ٦ | | Maintenance Strategy | RCM and RCA |
| | | Asset Reliability | Safety |
| | | Planning and Scheduling | KPI's |
| | | Inventory Management | Human Resources |
| | | Root Cause Equipment | Consultancy |
| | | Tools and Equipment | Lean Manufacturing |
| | 13:00 | IOT - Internet of Things | 5S and TPM |
| | 17:15 | Industry 4.0 | 6 Sigma |

Lubrication and Training

| DAY 3 | Key Topics | Other Topics |
|-------|------------------------|-------------------------|
| | Lubrication Reliabilty | On Line Trainings |
| | Storage and Handling | Classroom Training |
| | Grease Lubrication | Webinair Communications |
| | Oil Lubrication | Skills Certifictaion |
| 08:00 | Maintenance Training | |
| 12:00 | | |

The call for papers is now open

If you have something to contribute read more below and send your paper extract to info@reliabilitylink.com.

Call for Papers!

Are you and expert in any of our conference categories? Then we invite you to be a key contributor to the success of BRCE 2017. All selected presenters will be granted a 50% reduction in the conference fee.

Presentations to fill

- 16 Bearing and Reliability Presentations (30 Minutes each)
- 32 Bearing and Reliability Application Presentations (30 Minutes max. and each presentation will be open to all exhibitors, presenters and daily visitors)

Please submit an abstract of maximum one A4 size sheet summarizing your presentation. Closing date for submission is End February 2017. You can submit your paper at info@reliabilitylink.com.

Submission of Abstracts to Consider

- Title of the Paper / Presentation
- An abstract summarizing your Paper / Presentation content
- Information about the lecturer and co-authors: name, title(s), company address, affiliation, email, telephone and fax number
- In which topic area(s) your presentation should be listed
- A statement specifying what is new in your presentation
- A bibliography of your previous publications about this subject
- All submissions must be either Microsoft WORD (DOC or DOCX) or Portable Document Format (PDF) files.



ReliabilityLink and BearingNEWS reserves the right to publish your presentation on our web sites and in some case in our market communication processes.

Types of Contribution

Your contribution will take the form a full presentation. If your paper is accepted your presentation will be 25 minutes, with additional 5 minutes for discussion and the opportunity to respond to questions and comments from the audience.

Based on the abstract, the Conference committee will decide on the acceptance and order of presentation in the program. Please note that the number of co-authors named in the printed program is limited to two.

Submission of the final Manuscript

If your paper is accepted you will be invited to submit the final manuscript which must be received by May 30th, 2017 latest.

If you receive notification of acceptance, you will also receive instructions concerning manuscripts and presentation structures.

Submission of the final Presentation

Final presentation will need to be submitted latest 30th July 2017

Kev Timelines

- Submission of Abstracts to Include 28th March 2017
- Submission of the final Manuscript
 Submission of the final Presentation
 30th May 2017
 30th July 2017









Your Contacts



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Paper ® Presentation Submissions

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MAIN PARTICIPANTS & EXHIBITORS 2016





























































































This workshop considers the softer (but harder) issues that need to be addressed to ensure we get good life from our bearings and equipment in general, because we don't normally achieve the life that our equipment is capable of.

PRESENTATION:



Bearing and Equipment Lubrication Strategies Getting it Right



Root Cause Analysis Exploring the Apollo Root Cause Analysis Program and Methodology



Equipment Reliability and The Bearing



KPI's and Performance Parameters

Best Practices in Predictive Maintenance Training



Planning and Scheduling



A Well Run Predictive Maintenance Program Exploring the key ingredients and control parameters of an effective PDM program

Bearing Life Condition and Prediction



Vibration Sensors and Monitoring Equipment Developments



Improving the diagnostic capabilities with Big Data Analytics and Prognostics



Reliability Consulting





Bearing Root Cause
Failure Analysis
How to define the causes of
bearing wear and damage
through raceway and
component investigation

Best Practices in



Oil Analysis
Using Oil Analysis methodologies
to control levels of Oil
Contamination and how to
reduce wear and failure.

The Role of Oil Analysis in



The Importance of Raw Material purity and cleanliness requirements, for precision bearing rings



Manage, Coach and Lead Exploring the practical skills and tools for a new frontline leadership

From Control Drive Management to Self Driven Leadership





Outsourcing Maintenance Technologies



The use of Ultra Sound within Bearing Maintenance and Prediction Strategies

The Monitoring of low frequency bearings



The Bearing Industry Responsibilities



ISO 55001:2014 Asset Management Applying ISO 55001:2014 standard to your reliability and asset management strategies



Shim Rings: Cost reduction in nblies and design Tips



The UE System approach to controlling your greasing strategies



Maintenance, Getting The Formula Right



Protecting VFD Driven Motors from Bearing Currents



Effective Sealing Preventing Bearing Oil Contamination



Equipment Alignment for Prolonged Life



Low-speed bearing monitoring Challenges and Solutions



_ubrication Reliability



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SEALS



CHAINS

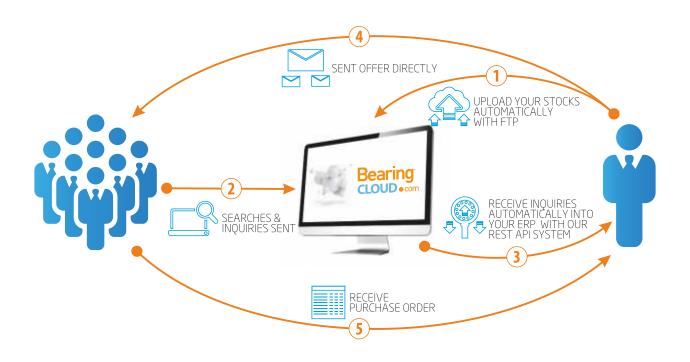


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HANNOVER MESSE 2017
WITH MOTION, DRIVE & AUTOMATION (MDA)



Gear Up For The Fourth

Industrial Revolution



with

MOTION, DRIVE & AUTOMATION (MDA)

State-of-the-art power transmission and control systems are the key to tomorrow's smart factories. As the world's biggest industrial technology show, HANNOVER MESSE (24- 28 April 2017 in Hannover, Germany) brings together the most advanced Industry 4.0 solutions from around the globe at one convenient location. That's everything from condition monitoring systems to the latest production strategies for costefficient lifecycle management.

Antifriction bearings, gearboxes, pumps, cylinders and valves, linear motion systems. At the Motion, Drive & Automation (MDA) section of HANNOVER MESSE, you will witness the technologies that will keep tomorrow's factories moving. MDA features future-defining innovations for the entire value chain.

The MDA Forum is where the world's leading mechanical and plant engineering companies present and explain their latest innovations. This year's Forum

centers around the keynote themes of Industrie 4.0, sustainability and energy efficiency, condition monitoring systems (CMS), drive systems for wind turbines, and sealing technology.

At MDA, you'll discover the smart products and integrated solutions you need to optimize your drive, hydraulic and pneumatic systems and make your production processes and products more efficient and sustainable. Meet key decision makers from all sectors of industry worldwide.

Predictive Maintenance 4.0 also a key topic at HANNOVER MESSE

Repairing machinery parts after a failure has occurred is so yesterday. Nowadays, thanks to advanced sensor technology and intelligent data analysis systems, it is possible to predict failures and undertake maintenance before they happen. In today's rapidly emerging Industy



4.0 environment, machines, components and workpieces are digitally integrated and able to "talk" to one another. This enables factory operators to continuously capture data on machine states, combine it with information from other systems (such as ERP or CRM software), analyze it and predict the optimal point in time at which to initiate maintenance. It is hoped that this new approach to maintenance – known as predictive maintenance, or PdM for short – will pinpoint impending outages before they occur, speed up overhaul processes and avoid production outages.

"Predictive maintenance is currently the most talkedabout and closely watched maintenance, repair and overhaul strategy out there," says Peter-Michael Synek, the Deputy General Manager of Germany's VDMA Fluid Power Association. A recent study by the World Economic Forum and the consulting firm Accenture lends substance to the high hopes currently riding on PdM. According to the study, PdM can reduce the cost of planned repairs by 12 percent, cut maintenance costs by almost 30 percent and reduce unscheduled downtime by a massive 70 percent. Synek: "Predictive maintenance is a pivotal part of the Industry 4.0 landscape."

The displays and live demonstrations at the "Predictive Maintenance 4.0" showcase will be supported by guided tours that will take participants to the display stands of selected providers at various locations throughout HANNOVER MESSE. Tour participants will witness continuous machine data capture, processing and

analysis in action and learn how it can give factory operators real, useable information on the condition of their systems, machines and machine components.

Peter-Michael Synek sees predictive maintenance as "the next evolutionary stage from conventional maintenance strategies" and a development that delivers major benefits to plant operators. "The ability to reduce or even eliminate unforeseen downtime and associated production bottlenecks flows through into greater productivity. Maintenance and servicing costs go down, and production quality and planning reliability go up," he says.



Reserve your space now and witness Industry 4.0 and Predictive Maintenance 4.0 at HANNOVER MESSE 2017. EPTDA members can contact for their special info@eptda.org conditions with the EPTDA / PTDA Pavilion at HANNOVER MDA 2017.

Request

the unique lead generation program to maximize your presence and exposure BEFORE, DURING and AFTER the exhibition.



BearingNEWS is the official Media Partner for the MDA show during Hannover Messe 2017

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