



15 + 16 NOVEMBER 2016
DÜSSELDORF GERMANY



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the international
dialogue platform
for sports medicine,
sporting goods and
healthcare industry

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insight into cutting-edge
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innovations for preven-
tion, therapy and
recovery

Location: Congress Center South, Conference Room 2, Messe Dusseldorf
More Information and Registration: www.medicine-and-sports.com





4TH MEDICA MEDICINE + SPORTS CONFERENCE

The **4th MEDICA MEDICINE + SPORTS CONFERENCE**'s main objective is the interdisciplinary exchange between international sports medicine experts, professional athletes, the sporting goods and healthcare industry.

The **MEDICA MEDICINE + SPORTS CONFERENCE** will take place for the fourth time on November 15th / 16th 2016 in Dusseldorf. It will once again be one of the highlights at MEDICA, the world's largest medical trade show with more than 130,000 visitors and 4,977 exhibitors.

MEDICA established this cooperation platform in 2013 to foster new exchange formats, new sport medical therapies, and innovative products for prevention, recovery and population health management. Connecting sports medicine and innovative technologies will result in new and breakthrough advancements. So join us, be a part of this vibrant ecosystem and network with new partners at the **4th MEDICA MEDICINE + SPORTS CONFERENCE!**

International high level experts, representatives and professionals from the sports, sports medicine, healthcare and ICT industries will discuss on the following topics in five insightful sessions over two conference days:

1. The Future of Sports Medicine in 2030

2. Sports Medicine Roadmap 2030

Predictive Medicine | 360 Monitoring | Augmented Activity | Electronic Athlete Record

3. Training Programs & Equipment – New Findings

Individual Programs for Training and Regeneration | Personalizing Medical Products and Equipment | Hybrid Personal Coaching and Training

4. Latest Innovations in Monitoring Vital Data & Sport Performance

Vital Data and Performance Monitoring | New Approaches and Trends in Monitoring | Best Practice in Monitoring Corporate Health

5. Digital Innovations in Recreational and Elite Sports

Wearable Technologies | Beat Analytics | Measuring and Training Cognitive and Emotional Parameters

Participation in the MEDICA MEDICINE + SPORTS CONFERENCE at the Congress Center Düsseldorf (CCD South) is subject to a fee and requires a separate ticket order and registration.

The conference ticket includes admission to the MEDICA/COMPAMED trade fair and to all MEDICA/COMPAMED forums that take place in the exhibition halls.

Conference fee: 190 Euro incl. VAT

For this event you will receive 11 CME points (3 points for day 1 & 8 points for day 2).
Certificates for participation will be handed out at the end of day 1 and day 2.

Agenda Day 1 // 15 November 2016

01:00 – 01:10 p.m.	<p>■ Welcome by Joachim Schäfer, Managing Director Messe Düsseldorf</p>
01:10 – 02:15 p.m.	<p>Session 1: The Future of Sports Medicine in 2030</p> <p>Opening Keynote - Cyathlon: A New Type of Competition for People with Disabilities Prof. Dr. Ing. Robert Riener, Head, Dept. of Health Sciences and Technology Sensory-Motor Systems Lab, IRIS, ETH Zurich</p> <p>Panel Discussion</p> <ul style="list-style-type: none"> ■ Alberto Bichi, Secretary General Federation of the European Sporting Goods Industry ■ Prof. Dr. Klaus-Michael Braumann, President German Federation of Sportsmedicine, Dean, Faculty of Psychology and Sport Science / Head Institute for Sport- and Exercise Medicine University of Hamburg ■ Andea Eskau, 21 x World Champion in Cycling, Nordic Skiing, 6 x Paralympic Gold Medalist ■ Prof. Dr. med. Herbert Löllgen, Chairman, Scientific & Educational Committee EFSMA, Honorary President German Federation of Sports Medicine ■ Prof. Dr. Ing. Robert Riener, Head, Dept. of Health Sciences and Technology Sensory-Motor Systems Lab, IRIS, ETH Zurich ■ Christian Stammel, Founder & CEO WT Wearable Technologies
02:15 – 03:45 p.m.	<p>Session 2: Sports Medicine Roadmap 2030</p> <p>Predictive Medicine 360 Monitoring Augmented Activity Electronic Athlete Record</p> <p>Wearable Sensing for Early Detection of Cardio-Respiratory Conditions Giuseppe Coppola, General Manager Philips Wearable Sensing Technologies</p> <p>Vision of Sports Orthopedics in 2030 Dr. med. Christian Schneider, Head of Back Institute and Sports Medicine SCHÖN KLINIK Munich Harlaching; Medical Expert Committee German Olympic Sports Confederation (DOSB)</p> <p>Exercise Cardiology 2030 - Riding a Mobile Tsunami? Prof. Dr. med. Roman Leischik, Prevention, Sports Medicine and Health Promotion University Witten-Herdecke</p> <p>Sports Medicine in 2030 : Future and Challenges Prof. Dr. med. Herbert Löllgen, Chairman, Scientific & Educational Committee EFSMA, Honorary President German Federation of Sports Medicine</p> <p>Driving Team and Player Performance: Using Big Data & Machine Learning for Athlete Development Dr. Steve Fox, Principal SW Engineering Manager Microsoft Corporation</p>
03:45 – 04:00 p.m.	<p>Networking Coffee Break</p>
04:00 – 05:15 p.m.	<p>Guided Innovation Tour - Health and Fitness Monitoring Med Devices Wearables Hocoma - InBody - WT Wearable Technologies</p>
05:15 – 06:15 p.m.	<p>Networking and Get-Together MEDICA CONNECTED HEALTHCAREFORUM (Hall 15, Stand 15C24)</p>
06:15 p.m.	<p>End of day 1 of MEDICA MEDICINE + SPORTS CONFERENCE</p>

Agenda Day 2 // 16 November 2016

10:00 – 12:45 p.m.	<p>Session 3: Training Programs & Equipment - New Findings</p> <p>Individual Programs for Training and Regeneration Personalizing Medical Products and Equipment Hybrid Personal Coaching and Training</p> <p>Vigorous Endurance Exercise: Harm to the Heart or Benefit? Prof. Dr. med. Jürgen Scharhag, Professor for Sports Medicine, Cardiologist, Sports Physician Saarland University, Fellow of the American College of Sports Medicine and the European Society of Cardiology</p> <p>They Never Come Back - Return to Play: a Neurocognitive Perspective Prof. Dr. med. Dr. phil. Winfried Banzer, Dean, Faculty of Psychology and Sports Sciences, Department Head Sports Medicine Goethe University Frankfurt, Committee Member German Olympic Sports Confederation</p> <p>Improvements of vagal control indexed by 24 hours heart rate variability (HRV) Dr. med. Doris Eller-Berndl, Preventive Medicine Medical Coaching</p> <p>Selective Functional Movement Assessment and Y Balance Training Dr. med. Markus Klingenberg, Head of Orthopedics & Sports Medicine Beta Klinik Bonn</p> <p>Functional Diagnostics of Biceps Femoris Injuries Prof. Dr. med. Petra Zupet, President Slovenian Sports Medicine Association</p> <p>The Research, Science and Technology Behind Force Modulation Prof. Dr. Ing. Massimo Mischi, Founding Partner Hipermotion, Associate Professor University of Technology Eindhoven</p> <p>Human Performance Enhancement Program of the German Air Force Daniel Porten, Captain German Air Force</p>
12:45 - 01:45 p.m.	<p>Networking Lunch and Exhibition Break</p>
01:45 - 03:30 p.m.	<p>Session 4: Latest Innovations in Monitoring Vital Data & Sport Performance</p> <p>Vital Data and Performance Monitoring New Approaches and Trends in Monitoring Best Practice in Monitoring Corporate Health</p> <p>Wearable Computing in Recreational and Elite Sports Prof. Dr. Bjoern Eskofier, Professor for Computer Science in Sports, Endowed Professorship of the adidas AG, Digital Sports Group, Pattern Recognition Lab Friedrich-Alexander University Erlangen-Nuernberg</p> <p>Evaluating the Physiological Effects of Training – From Science to Coaching Practice Tero Myllymäki, Head of Physiological Research Firstbeat</p> <p>New Measurement Methods in Sports Performance Monitoring Dr. Tobias Engeroff, Sports Medicine Department Goethe University Frankfurt Joachim Magera, CTO Oxy4</p> <p>Beyond Wellness Monitoring for Sports Medicine Dr. Ricard Delgado-Gonzalo, Senior R&D Engineer CSEM</p> <p>Physiologically based Motor Screening for Athletic Rehab and Performance Training Kornelius Kraus, Sport Scientist Munich University of Federal Armed Forces</p> <p>Sports Analytics & Wearable Devices Dr. Jani Mäntyjärvi, Principal Research Scientist, Cyber-Physical Solutions VTT Technical Research Centre of Finland</p>

03:30 - 05:00 p.m.	Session 5: Digital Innovations in Recreational and Elite Sports
	Wearable Technologies Beat Analytics Measuring and Training Cognitive and Emotional Parameters
	Precision Localization and Motion Sensing: The Impact on Injury Prevention and Rehabilitation
	Dr. Oliver Trinchera , Co-Founder & Managing Director Kinexon
	Effects of Using a Vibration Foam Roll on Joint Range of Motion, Muscle Recovery and Reduced Muscle Soreness
	Ralf Lindner , CEO MEDISANA
	How Biofeedback Wearable Tech Can Transform Patient-Practitioner Care
	Oded Cohen , CEO UpRight
	Validation of The Core Body Temperature Measured Through Innovative In-Ear Sensor Technology
	Florian Creamer , Managing Director Paula Bewegt, Scientific Assistant, Ph.D. Student TUM Munich
	Fysio24, Changing the Way People Prevent and Recover from Running Injuries
	Janno Barlage , CEO Fysio24
	exerlights – More Fun and Action in Child Soccer to Improve Education’s Quality
	Julien Denis , CEO Sports Innovation Technologies GmbH & Co. KG
05:00 - 05:20 p.m.	Summary and Closing Remarks

Speakers & Expert Committee

Prof. Dr. med. Norbert Bachl

Expert Committee



Prof. Dr. Norbert Bachl is a professor at the Department of Sports and Exercise Physiology in the Centre for Sports Science and University Sports of the University of Vienna. Prof. Dr. Bachl also serves as Director of the Austrian Institute for Sport Medicine, Vice President of FIMS and Honorary President of EFSMA. In addition to this, he is a member of the Medical Commission of IOC, EOC, ÖOC and of the European Academy of Sciences and Arts. Prof Dr. Bachl acts as the Head of the Medical Commission of the UCI.

Prof. Dr. med. Dr. phil. Winfried Banzer

Speaker



Professor Winfried Banzer, PhD, M.D. is Head of the Department of Sports Medicine – Prevention and Rehabilitation at Johann Wolfgang Goethe University, Frankfurt. He is a General Practitioner, a specialist in Sports Medicine, Nutritional Medicine and an Exercise Physiologist. Prof. Dr. med. Banzer is a member of the Scientific Advisory Board of the German Society for Sports Medicine and Prevention (DGSP), the EU Expert Group Physical Activity Guidelines, the Platform on Diet, Physical Activity and Health of the European Union. In addition, he is a member of the Steering Committee of the European network for the promotion of health-enhancing physical activity (HEPA/WHO) and the Health Committee of the German Olympic Sports Confederation (DOSB). Dr. Banzer has also written over 100 publications in national and international journals.

Janno Barlage

Speaker



Janno Barlage is a physiotherapist by profession. He has worked in several leading academic hospitals in the Netherlands, been a senior advisor to the Royal Dutch Association of Physical Therapy, set up rural and community rehabilitation services in Papua New Guinea and been nominated for several prizes in the field of digital health. He has a broad knowledge and experience in the healthcare and lifestyle/wellness market and in the field of digital health. He is the founder of the startup Fysio24. He has a keen interest in combining technology, design, storytelling and behavioral economics to facilitate self-care/do-it-yourself care in people with common musculoskeletal injuries and conditions.

Alberto Bichi

Speaker & Expert Committee



Alberto Bichi is the Secretary General of FESI. Following a working experience at the European Commission's cabinet of Commissioner Vanni d'Archirafi, he integrated the Foreign Trade Association (FTA) and became member of the Board. He developed and improved the Federation of the European Sporting Goods Industry (FESI), became Member Services Manager in 1996, Secretary General in 2000 and continuously improved FESI's overall reputation as the unique voice in Europe for the sporting goods industry. In 2008 he became Executive Director of EPSI: European Platform for Sports and Innovation and in 2012 Director of Government Affairs for HDS-L representing The German Footwear & Leather Industry Association.

Prof. Dr. med. Klaus-Michael Braumann

Speaker



After medical education in Sports and Exercise Physiology, surgery and cardiology, Prof. Dr. med. Braumann became a professor for Sports medicine at the University of Hamburg in 1993. He has been a team doctor of national teams in Olympics and World Championships and worked in professional teams (football, ice hockey). His main scientific topics are the development of exercise therapy in diseases. He is Dean of the faculty of Psychology and Human movement at the Hamburg University and the active President of the German Society of Sports Medicine and Prevention. In addition, he is a member of the scientific commission of FIMS.

Oded Cohen

Speaker



Oded Cohen is the founder and CEO of Upright. Previous to Upright, Oded has lead influential ventures in companies such as Elbit Systems, SEED2NET, Comverse Ltd, and managed a group of private companies in various industries. Some of these ventures include developing and selling the design of a new cockpit, leading the Unified messaging team at Comverse, managing a marine infrastructure company, retail furniture factory, and other communication projects. Oded's educational background consists of a bachelor's degree in Political Science and EMBA from Tel Aviv University. He served as a combat pilot and Squadron deputy commander in the Israeli Air Force. Oded moved back to Israel in 2014, to officially begin to build Upright.

Giuseppe Coppola

Speaker



Giuseppe Coppola, General Manager of the Wearable Sensing Technologies (WeST) business at Philips, is responsible for managing the development, commercialization and supply of leading-edge cardio-respiratory and body-motion measurement solutions to manufacturers and service providers in wearables across the sport, wellness and health markets. Giuseppe joined Philips in 1996, after 8 years in R&D at Alcatel. During his time at Philips, he has worked in a range of management positions, focusing on technology-driven innovation and value creation. Within the last few years, he has focused on the wearables market in sport and fitness, personal health and wellness, and preventive healthcare applications. He has authored various publications and patents and has presented at many international events and conferences.

Florian Creamer

Speaker



Mr. Creamer started his academic career in sport science at the University of Darmstadt and finished in 2008 at the Technical University of Munich (TUM), focusing on prevention and rehabilitation. During his thesis he worked in therapy of obese children during in-patient treatment. Subsequently, he started his PhD thesis at TUM in wearable technologies to monitor vital parameters especially body temperature and heart rate. He validates an innovative in-ear sensor in different settings to point out accuracy and different fields of application. In parallel, he occupies an academic teaching position in fitness training. Furthermore, in 2007 he established a company in Munich for sports and health, focusing on personal training, physiotherapy, workplace health promotion and nutrition.

Dr. Ricard Delgado-Gonzalo

Speaker



Ricard Delgado-Gonzalo, Ph.D. is a data scientist and signal processing expert working as a Senior R&D Engineer at the Swiss Center for Electronics and Microtechnology (CSEM). He obtained his Ph.D. on biomedical image processing in 2014 from EPFL, Switzerland. The doctoral thesis was developed under the umbrella of the interdisciplinary SystemsX consortium, the Swiss research initiative for the promotion of Systems Biology. He was awarded with the SSBE Research Award 2013 from the Swiss Society of Biomedical Engineering for the best PhD thesis, and the ABB Award 2014 for his "contributions to the field of bioimage informatics." His current research focusses on biomedical embedded systems, wearable technology, and its potential impact to the future of healthcare and the medtech industry.

Julien Denis

Speaker



Julien Denis was born in 1988 in Clausthal-Zellerfeld, lower Saxony. After his school education, he joined the ambulance service as a paramedic and then studied medical engineering in Bremerhaven as his bachelors. He studied his Masters in Medical Process Management at the university of Erlangen-Nuremberg. He worked as a regulatory affairs consultant for the leading edge cluster organization of Medical Valley, before he founded the Sports Innovation Technologies in 2015 together with Prof. Dr. Dr. Matthias Lochmann, Chair of Exercise and Sports Medicine at the university of Erlangen. The SIT helps youth academies of professional soccer clubs in the fields of education, quality management and technology use. Plus, the SIT develops own technologies to increase the education's quality.

Dr. med. Doris Eller-Berndl

Speaker



Dr. Doris Eller-Berndl studied Medicine at the Medical Faculty of the University of Vienna and graduated with MD degree 1993. After having worked as an assistant in Institute of Anatomy for 3 years, she began with her Training in Pulmonology 1995 in Vienna at the Clinic for Pulmonology Baumgartner Höhe. Following this, Dr. Eller-Berndl trained in General Medicine in Vienna at Hahnusch Kankenhaus. Between 2003 and 2005 she went through the University course for Medical Health Prevention at the University Krems, Austria, finishing a Diploma for Occupational Medicine in 2006. Dr. Eller-Berndl has worked in the rehabilitation center Engelsbad, Baden with special interest in metabolism. Since 2004 she has worked in private praxis with special interest is preventive medicine.

Dr. Tobias Engeroff

Speaker



Tobias Engeroff studied medicine at the University of Marburg and is currently a postdoctoral researcher at the department of Sports Medicine of the Goethe University Frankfurt. His research includes applied exercise physiology, health related effects of physical activity and sedentary behavior as well as functional assessments for medical rehabilitation.

Andrea Eskau

Speaker



Andrea Eskau born in Apolda / Thuringia, 1971, studied psychology at the University of Wuppertal with a focus on neurophysiology and work physiology. In 1998, Mrs. Eskau suffered a cross-paralysis during a severe accident. Since 2003 she has been active as a professional athlete in the field of paracycling and since 2009 in Nordic Skiing (Biathlon and Cross Country). She has won numerous World Championship titles in these disciplines and competed in a total of 6 Paralympic Games, being the only paralympic athlete who has won gold medals in three different sports disciplines. Since 2008, Mrs. Eskau has been responsible for "Disabled Sports" at the Federal Institute for Sports Science in Bonn, where she is contributing her personal experience to the development of disabled sports and has initiated a number of innovative research projects.

Prof. Dr. Bjoern Eskofier

Speaker



Bjoern Eskofier is professor for Computer Science in Sports (endowed professorship of the adidas AG) and head of the Digital Sports Group at the Pattern Recognition Lab of the FAU Erlangen-Nuernberg. The group is working in the fields of machine learning and signal analysis for wearable and pervasive computing systems in sports and health care. Dr. Eskofier authored more than 100 peer-reviewed articles, submitted 5 patent applications, and started two spinoff startup companies (Portables GmbH and eGait GmbH). He has led and participated in a large number of multidisciplinary research projects. His current research interest are machine learning, data bases and data mining, signal processing, biomechanical simulation, human-machine-interaction, and sensor systems for wearable and pervasive computing systems.

Dr. Adrian Hutber

Expert Committee



Dr. Hutber was appointed Vice President of Exercise is Medicine® at the American College of Sports Medicine (ACSM) in 2008, after serving as the vice president of a fitness corporation and as the Director of the Distance Education Division of the world's largest physical activity publisher, Human Kinetics. In addition to this, he has numerous publications in physiology and sports medicine scientific journals, has authored the Pre-Exercise Health Screening course (Human Kinetics, 2001), is a Board member of the National Advisory Council for Cancer and Exercise in the USA, and continues to serve on the editorial board or as a reviewer for medical journals.

Dr. med. Markus Klingenberg

Speaker



Dr. med. Markus Klingenberg, M.D. is the Head of Sports Medicine & Arthroscopic Surgery at Beta Clinic. Prior to his position at Beta Clinic, Dr. Klingenberg absolved his specialist training in orthopedics/accident surgery in Zurich, at the Klinik am Ring in Cologne (Germany), at the Gemeinschaftskrankenhaus Bonn and the Sporthopaedicum Straubing/Regensburg, Germany. Additional qualifications in sports medicine, chiropractic/manual medicine and emergency medicine complete his portfolio. He also acts as an instructor for Selective Functional Movement Assessment (SFMA). As an author Dr. Klingenberg writes for different print and online magazines and he currently has completed his book "Return-To-Sports". He is also a scientific board member for the Institute of Applied Health Science (IFHIAS)

Kornelius Kraus

Speaker



Kornelius Kraus serves as a performance coach for athletes and as a diagnostic specialist for coaches, sports medicals or therapists at PROAthlete. In addition, he tries to facilitate the application of scientific innovations in order to improve the day-to-day practice as a lecturer for performance training, athletic rehab or sports scientific methods. Currently, he is involved in research projects that focus on motor control and performance enhancement. Due to these specializations, Kornelius has acquired extensive experience in motor diagnostics, testing and training design. He holds a master degree in sports science and in philosophy of science and technology (TUM) as well he is about to finish his PhD in sports science at UniBW.

Prof. Dr. med. Roman Leischik

Speaker



Roman Leischik is Professor and Senior Lecturer for Prevention, Health Promotion, Sports Medicine, Cardiology and Internal Medicine at the University of Witten/Herdecke, Germany. He obtained qualifications as medical doctor (1988, University of Dusseldorf), as specialist for Cardiology (University of Essen). Dr Leischik has also studied ultrasound contrast agents at the University Illinois and at University Essen. As author of numerous international papers in the field of Echocardiography and Sports Medicine, he contributed to increase his knowledge in the field for almost 30 years. He is involved in medical support of elite athletes, development of Public Health Science, Sport Medicine. He is 6-times Ironman Finisher for the long distance and numerous Triathlons.

Ralf Lindner

Speaker



Ralf is the CEO and shareholder of Medisana AG, a leading German brand of connected health, fitness and sports products. He is the driving force behind the development of several ground breaking technologies and applications Medisana has introduced since 2004. Together with Mio Global and Philips they introduced in 2013 the Mio Alpha - a wristworn sportswatch incorporating a new, revolutionary optical technology for heart rate monitoring, which can now be considered the gold standard for strapless heart rate monitoring. The PowerRoll, a rechargeable motor-powered foamroller, was introduced in 2015, redefining the experience and efficacy of myofascial exercise. Being an avid runner himself he enjoys Marathons and Triathlons and testing new, innovative products and technologies for first hand experiences and further development.

Prof. Dr. med. Löllgen Herbert

Speaker



Prof. Dr. med. Herbert Löllgen, owns a private practice for Internal Medicine, Cardiology and Sports Cardiology since 2008. From 1985-2008 he was Head of Department of Internal Medicine, Remscheid Interventional Cardiology, Intensive Care Medicine, Pneumology Sports Medicine, 1982-85 Head of Department of Medicine and Cardiology at St. Vincenz-Hospital Limburg and from 1978-1982 Vice Head of Department of Cardiology at University of Freiburg. Dr. Löllgen is Honorary President (since 2012) and former President (2006-2012) of the German Federation of Sports Medicine and Prevention (2006-2012), Sports Medicine consultant for the German Olympic Sports Society and Consultant to German of Physicians, Berlin.

Joachim Magera

Speaker



After nearly 20 years of physicist, software developer, IT instructor, sales manager and manager for different companies acting in the field of sports medicine he gained deep experience in human performance diagnostics applications. His special orientation in lactate diagnostics and cardiopulmonary measurement forced the idea to create a new system measuring multiple physiological parameters none-invasively. Today he feels responsible for sales of the new system OXY4Pro and works aside for companies like mesics, COSMED and OXY4 as manager, consultant and sales manager.

Dr. Jani Mäntyjärvi

Speaker



Jani is currently leading the research in Cyber-Physical Solutions at VTT. His work career consists of R&D positions in Finland and Europe. His research includes wellness & sports solutions focusing on novel technologies in wearables and data-analytics. He has published around 100 publications, holds 30 patents, and has co-founded two start-ups.

Dr. Ing. Massimo Mischi

Speaker



Massimo Mischi received the M.Sc. degree in Electronic Engineering at La Sapienza University (Rome, Italy) in 1999. In 2004 he received the Ph.D. degree from the Eindhoven University of Technology (TU/e, Netherlands). Since 2011 he is associate professor at the TU/e, where he is chairing the Biomedical Diagnostics Lab. His research focuses on quantitative analysis of biomedical signals, with main applications on muscle electrophysiology and tissue perfusion. He was awarded with the VIDI (2009) and ERC StG (2011) grants for his research on cancer imaging. He has (co)authored over 200 publications, 8 book chapters, and several patents. He is Senior Member of the IEEE, vice-Chairman of the IEEE EMBS Benelux Chapter, and Secretary of the Dutch Society of Medical Ultrasound.

Prof. Dr. Tim Meyer

Expert Committee



Prof. Tim Meyer is team physician of the German national football team since 2001. After studying at Hanover Medical School, Prof. Meyer also graduated in Sport Science from the Göttingen University. He received his doctorate in 1997, and was awarded the Arno-Arnold-Prize for Sports Medicine for his dissertation "Therapeutic use of endurance training in panic disorders". In 2006, he took over the chair in sports medicine at Paderborn University. In October 2008 he was appointed to the professorship for sports and preventive medicine at the Saarland University. In 1999 and 2001 Prof. Meyer supervised the U20 football team at the World Championships in Nigeria and Argentina. From 1999 to 2001 Meyer also supervised the German A2 football team.

Tero Myllymäki

Speaker



Tero Myllymäki is the head of advanced physiological research at Firstbeat with years of experience in exercise physiology and especially heart rate variability. He started his working career in a research group at the Department of Biology of Physical Activity in the University of Jyväskylä, Finland. Before joining Firstbeat, he has been working as a researcher in multidisciplinary expert teams combining physiology, psychology, and personal health technologies. Mr. Myllymäki has authored 29 scientific publications or conference presentations and 3 articles in published books, and is currently finalizing his doctoral thesis from the topic of effects of exercise on sleep and recovery. Tero has endurance sports background, and his ambition is to turn scientific information on human physiology into understandable and useful innovation.

Daniel Porten

Speaker



Daniel Porten is a highly motivated sport scientist with the order to train the most valued personnel in the German Air Force: the Eurofighter Pilots. As an Officer for preventive Training from 2010, he has been responsible for the health and the daily performance of the pilots. Especially the spine is claimed by the daily maneuvers by the high acceleration forces. His focus is to prevent the spine from damage. To reach this he uses specialized training equipment to train the back and neck muscles. He works together with the flight surgeon and a physical therapist. Captain Porten has a Diploma in Sport Science (2006 – 2010) from the University for Armed Forces in Munich, Germany.

Prof. Dr. med. Rüdiger Reer

Expert Committee



Prof. Dr. Reer is Secretary General of the German Sports Medicine Association DGSP (Deutsche Gesellschaft für Sportmedizin und Prävention) and Deputy Director of exercise science of Hamburg University, Germany. He is member of the DGSP, American College of Sports Medicine, the European College of Sport Science and Hamburg Sports Medicine Association. Focus of his research is on spiroergometry of swimmers in performance diagnostics, exercise therapies for different disease patterns. In 2000, he won the International Science Award (ICSSPE) in Clinical Sciences in Brisbane, Australia.

Prof. Dr. Ing. Robert Riener

Keynote Speaker



Robert Riener studied Mechanical Engineering at TU München, Germany, and University of Maryland, USA. He received a Dr.-Ing. degree in Engineering from the TU München in 1997. After post-doctoral work from 1998-1999 at the Centro di Bioingegneria, Politecnico di Milano, he returned to TU München, where he completed his Habilitation in 2003. In the same year he became assistant professor at ETH Zurich and Spinal Cord Injury Center of the University Hospital Balgrist ("double-professorship"); since 2010 he has been full professor for Sensory-Motor Systems, ETH Zurich. Since 2012, Riener belongs to the Department of Health Sciences and Technology, which he is chairing as head since February 2016. Riener has published more than 400 peer-reviewed journal and conference articles, 20 books and book chapters and filed 20 patents.

Prof. Dr. med. Jürgen Scharhag

Speaker



Prof. Jürgen Scharhag, MD, FACS, FESC is a cardiologist and sports physician within physical therapy and balneology, at the Institute for Sports and Preventive Medicine at Saarland University. He also acts as the team physician for the U21 German National Football Team, and is a member of the German Society for Sports Medicine and Prevention, the working group Sports Cardiology in the European Society of Cardiology and the Editorial Board of the Deutsche Zeitschrift für Sportmedizin. Prof. Scharhag is also a fellow of the American College of Sports Medicine and European Society of Cardiology.

Dr. med. Christian Schneider

Speaker & Expert Committee



Dr. Christian Schneider, MD PhD, is an orthopedic surgeon and specialist in sports medicine, the head of Back and Sports Orthopedic Institute in SCHÖN KLINIK Munic Harlaching and Medical Expert Committee of the German Olympic Sports Confederation (DOSB). Dr. Schneider is Chairman and board member of several associations and federations, including the German Physicians Association, GOTS (German Society for Orthopedic-Traumatologic Sports Medicine), FIMS, as well as Head of DOSB-Sports Physiotherapy for the German Olympic Sports Confederation (DOSB). Dr. Schneider works as consultant of the Olympic Base Camp Bavaria and other sports organizations. He was part of the Olympic medical staff in the three previous Olympics and also Medical Commission of the European Olympic Committee in 1st European Games in Baku 2015.

Christian Stammel

Speaker & Expert Committee



Christian Stammel is the founder and CEO of WT Wearable Technologies the leading innovation platform for wearables. Being a visionary entrepreneur with broad technology know-how and a pioneer in new fields of technology, Christian already founded his first successful ICT company in the mid 1990s. With more than 20 years of experience in entrepreneurship, marketing and sales, and an excellent international network, he has supported companies from start-ups to multinational industry giants in terms of business development, technology marketing and increase of sales. Christian holds an MBA in Business Management of the University of Regensburg.

Dr. Oliver Trinchera

Speaker



Dr. Oliver Trinchera is Founder & Managing Director of KINEXON Sports & Media GmbH. KINEXON develops precision tracking solutions for centimeter accurate 3D localization of people and objects in indoor and outdoor environments. KINEXON received a number of prestigious awards, including the Smart Digital Award as most innovative Bavarian start-up and the Galileo Master Award (promoted by European Commission and ESA, for example). Oliver studied Business Administration, Electrical Engineering, and Technology Management at Technische Universität München (TUM). Moreover, he holds a PhD from Technische Universität München.

Prof. Dr. med. Petra Zupet

Speaker



Prof. Dr. Med. Petra Zupet is a Sports Medicine Specialist. She acts as the President of the Slovenian Sports Medicine Association and is a member of EFSMA Scientific and Education Commission and FIMS Development Commission. Dr. Zupet is also the Editor-in-chief of Slovenian Journal of Sports and Medicine as well as an author and co-author of many scientific papers.

Partners



Cooperation Partners



More Information and Registration:

www.medicine-and-sports.com

Location MMSC

Messe Dusseldorf,
Congress Center South, Room 2, Am Staad
40474 Dusseldorf, Germany

Contact

MMSC Program Management
Dr. Sonja Sulzmaier
s.sulzmaier@navispace.de

MMSC Organization
Matias Posio
m.posio@navispace.de

Navispace AG
Tel. +49 (0) 8152 9988622