virtual. MEDICA MEDICINE + SPORTS CONFERENCE

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18/19 NOVEMBER 2020

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Turning Challenges into Opportunities
The MEDICA MEDICINE + SPORTS CONFERENCE, was founded in 2013 at MEDICA, the world’s largest medical trade show with more than 120,000 visitors and 5,500 exhibitors. The virtual.MEDICA MEDICINE + SPORTS CONFERENCE will take place virtually on 18th and 19th of November 2020.

The conference has established as the leading interdisciplinary exchange platform between international sports medicine experts, sports scientists and sport techies, the sporting goods and healthcare industries. The platform fosters new exchange formats, new sport medical therapies, and innovations in prevention, recovery and rehabilitation. During two consecutive days and six sessions, international experts present the latest findings and innovations:

SESSION 1 - Future Concepts in Sports Medicine
Space Medicine - Performance - Artificial Intelligence

SESSION 2 - Tailored Exercise Programs
Personalization - BioPsychoSocial Model - Digitization - Movement Analysis

SESSION 3 - Evidence-Based Diagnostics and Wearable Technologies
Sports Cardiology - Wearables - Vital Data Monitoring

SESSION 4 - Sports in Times of Highly Infectious Viral Diseases and Polluted Environments
Epidemiology - Prevention of Viral Disease Transmission - COVID-19 Effects on Performance - Particulate Matter and Health

SESSION 5 - Digital Innovations in Sports & Healthcare

The conference is accredited with 3 CME points on 18 November and 6 CME points on 19 November.

Agenda Day 1 // 18 November 2020

13:00 – 13:10 h (CET)
Conference welcome
Horst Giesen, Director Global Portfolio Health and Medical Technologies, Messe Düsseldorf GmbH
Moderated by Christian Stammel, CEO and Founder of WT Wearable Technologies Group

13:10 – 13:40 h (CET)
Keynote
by Prof. Dr. Dirk Brockmann - Professor for Theoretical Biology, Humboldt University Berlin, Institute of Epidemiological Modeling of Infectious Diseases, Robert Koch Institute: “Perspectives of digital epidemiology – Opportunities, promises and challenges”

13:40 – 16:00 h (CET)
Session 1 - Future concepts in sports medicine
Space Medicine - Performance - Artificial Intelligence
Prof. Volker Damann - Professor for Human Performance in Space, International Space University Strasbourg:
“Doc, we have a problem – The challenges of space medicine”
Karl Schwarzenbrunner - Head of Education and Science, German Ice Hockey Federation:
“Performance and regeneration in German ice hockey – New ways of using data and AI”
Prof. Dr. Björn Eskofier - Professor for Digital Support Systems in Sports and Medical Engineering, Head of Machine Learning and Data Analytics Lab, University Erlangen-Nuremberg:
“Digital twins in sports”
Florian Mennigen - Clinical Psychologist, Private Lecturer, Former Team Rowing Athlete, Olympic and World Champion, Witten/ Herdecke University:
“Building winning teams – Psychological aspects of high performance teams”
Dr. med. Lutz Graumann - President International Association of Performance Medicine, Medical Coordinator, German Ice Hockey Federation:
“Why the future of medicine will be driven by learnings from formula 1 racing?”
Prof. Dr. Roger Abächerli - Professor for Medical Engineering, Lucerne University of Applied Sciences and Arts:
“Artificial Intelligence in Medicine – Why diagnostic screening is an interesting use case”

16:00 – 16:30 h (CET)
Dr. Silvano Zanuso - Scientific Research & Communication Manager, Technogym:
“The latest technology to deliver evidence-based exercise programs” [partner contribution]

16:30-16:40 h (CET)
Summary and closing remarks of day 1

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## Agenda Day 2 // 19 November 2020

### 10:00 – 12:30 h (CET)

**Session 2 - Tailored exercise programs**

Personalization - BioPsychoSocial Model - Digitization - Movement Analysis

**Dr. med. Peter Brucker** - Adj. Professor, Team Physician German Skiing Team, Medical Director, MVZ ATOS Clinics Munic & **Dr. med. Ralf Douscher** - Team Physician Borussia Mönchengladbach, Department for Sports Medicine Charité, University Berlin:

*The role of modern injectables in high performance sports like football and skiing*

**Prof. Dr. Borja Muniz** - Professor for Exercise Physiology, FIMS CCSM, University Zaragoza:

*The example of blood flow restriction exercise*

**Dr. med. Theodora Papadopoulou** - Consultant in Sport & Exercise Medicine; Consultant Orthopaedic Surgeon, Secretary General EFSMA; Executive Board BASEM, Defence Medical Rehabilitation Center Loughborough:

*The BioPsychoSocial model in sports medicine – How to implement a multidisciplinary approach*

**Dr. Katharina Schöttl** - Adj. Professor, German University of Health and Sports:

*Next generation in movement analysis and implications on training and injury prevention*

### Break

### 12:30 – 13:00 h (CET)

### 13:00 – 15:00 h (CET)

**Session 3 - Evidence-based diagnostics and wearable technologies**

Sports Cardiology - Wearables - Vital Data Monitoring

**Prof. Dr. med. Jürgen Scharhag** - Head Department of Sports Medicine, Exercise Physiology and Prevention, Centre for Sport Science, University of Vienna:

*Exercise testing in sports cardiology*

**Dr. med. Christian Werner** - Adj. Professor, Specialist for Internal Medicine, Senior Consultant, University Hospital Homburg:

*Telomers - A novel link between cardiovascular health and disease*

**Prof. Dr. Yiannis Pitsiladis** - Professor of Sport and Exercise Science, IOC Medical and Scientific Commission Member, Chair of Scientific Commission FIMS, University Brighton:

*Establishing a global standard for wearable devices in sport and fitness: Perspectives from FIMS and EFSMA*

**Prof. Dr.-Ing. Jürgen Götte** - Professor for Electrical Engineering & Information Technology, University Dortmund:

*Technologies measuring sleep – Overview and opportunities in healthcare and sports*

**Dr. med. Noé Karl Brasier** - Clinical Researcher, Chief Medical Information Officer, University Hospital Basel:

*Sweat as a source of next generation digital biomarkers - The rise of Internet-enabled sudorology*

### 15:00 – 16:00 h (CET)

**Session 4 - Sports in times of highly infectious viral diseases and polluted environments**

Epidemiology - Prevention of Viral Disease Transmission - Covid-19 Effects on Performance - Particulate Matter and Health

**Prof. Dr. med. Wilhelm Bloch** - Head of Department for Molecular & Cellular Sports Medicine, German Sports University Cologne:

*COVID-19 and return to sports*

**Dr. Ulrich Jerichow** - CEO, ViaScale:

*Systems for infection protection in professional sports*

**Prof. Dr. med. Thomas Müinzel** - Chief of the Department of Cardiology at the University Medical Center, University Mainz, Centre for Cardiology:

*Environmental hazards and cardiovascular disease: It’s time to act*

### 16:00 – 17:00 h (CET)

**Session 5 - Digital innovations in sports & healthcare**

Presented by innovative startups

**Dr. Holger Hendrichs** - VP, greenTEG:

*Core body temperature – Filling the gap in sports performance science – first insights from the Tour de France 2020 and during professional Triathlon races*

**Ben McNamara** - Head of Education EMEA, Theragun:

*Percussive therapy - The new wave in performance and recovery*

**Ali Kord** - COO, AiQ Synertial:

*Coming to pro surfing – Full body motion capture and analysis*

**Harald Freitag** - CEO/CTO, movX:

*Sensor based movement analysis and tailored training programs*

**Koen Vercauteren** - Founder & Headcoach, ledsreact:

*The future of sports technology and its application in agility training*

### 17:00 – 17:10 h (CET)

Summary & closing remarks

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Prof. Dr. Roger Abbécherli

Prof. Dr. Roger Abbécherli has graduated as electrical engineer from the Swiss Federal Institute of Technology Lausanne (EPFL). He studied at the Georgia Institute of Technology (GATech), Atlanta, USA, and University College of Dublin (UCD), Ireland and did his PhD at the department of radiology at the Centre Hospitalier Universitaire Nancy, France. He got several international awards and currently is senior member of the IEEE, fellow of the American Heart Association (AHA), the American College of Cardiology (ACC) and the European Society of Cardiology (ESC). He has worked for 16 years in the medical industry, latest as global head of biomedical research and signal processing and is now professor at the Lucerne University of Applied Sciences and Art for medical technology, senior lecturer at BFH and research associate at the Cardiovascular Research Institute (CRIB) of the University Hospital Basel.

Dr. med. Peter Brucker

Dr. med. Peter Brucker is an internationally renowned sports orthopedic specialist with focus on minimally invasive, regenerative, and reconstructive knee surgery at the lower extremity, and orthobiologic sports medicine. He is the leading team physician of the German Ski National Team Alpine (DSV) and physician of many elite athletes in football and various Olympic sports. His scientific studies focus on the prevention and rehabilitation (back-to-sports) of conservatively or surgically treated sports injuries of the knee joint and muscle-tendon injuries in professional athletes as well as in recreational sports. He published more than 100 manuscripts in medical journals and he presented more than 400 lectures internationally including live operations and instructor activities. Since 2016, he has been listed amongst the Focus top100 in the field of “sports orthopedics”.

Prof. Volker Damann

Prof. Volker Damann has dedicated his career to Aerospace medicine. Starting in 1989 he served for 6 years as a space flight surgeon at the German Aerospace Research Center in Böblingen and at the European Astronaut Center at the European Space Agency (ESA) in Cologne. In 2016 he became full professor for “Human Performance in Space” at the International Space University in Strasbourg. Volker is also a visiting lecturer at the Technical Universities in Dresden and Berlin and developed a new master program “Space Physiology and Health” with King’s college, London. He is an AsMA Fellow since 2014, member of the AsMA Executive Committee and Vice President “International Services” since 2017. Volker Damann retired from ESA in September 2020 and remains a faculty member of the ISU.

Dr. med. Ralf Dioscher

Dr. med. Ralf Dioscher is specialist for orthopedics, trauma surgery and non-surgical sport orthopedics and is full-time team doctor of the German first league soccer club “Borussia” in Mönchengladbach. Dr. Dioscher is specialist in diagnostics, treatment and prevention of muscle injuries, as well as the non-surgical treatment of cartilage defects in athletes. One of his main feici is musculoskeletal sonography as well as ultrasound guided injection techniques. He studied in Germany, South Africa and the US and successfully graduated with the German as well as all US federal licensing examinations (USMLE). He completed his studies in orthopedic and trauma surgery at the Centre for Musculoskeletal Surgery (CMSC) at Charité, Berlin. During his time in Berlin he worked as team doctor of 1. FC Union Berlin, Füchse Berlin as well as for several German Olympic federations and national teams.

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the first full body mocap system using only wearable IMUs and in 2011 introduced the first ever IMU—which won Computer World Magazine’s most innovative product award for 1997. In 2005 he introduced the first PC-based golf simulator system and by 1995 developed the first inertial electromechanical motion capture system in 1997. He is working on the development of a consumer sports mocap system today. Ali studied civil engineering but quickly moved into electronics. In 1989 he co-founded Ingolf Inc., a specialist in Sports Medicine, Nutrition and Chirotherapy with focus on aircraft noise and air pollution.

Dr. Ali Kord

Ali Kord is an international expert in motion measurement and tracking. He sold his first full body mocap system in 1997. He is working on the development of a consumer sports mocap system today. Ali studied civil engineering but quickly moved into electronics. In 1989 he co-founded Ingolf Inc., the first PC-based golf simulator system and by 1995 developed the first inertial electromechanical goniometric device to analyze the golf swing in real-time. Working closely with Kinetik in San Francisco, Ali then veered the golf analyser towards the animation professionals and entertainment in general which won Computer World Magazine’s most innovative product award for 1997. In 2005 he introduced the first full body mocap system using only wearable IMUs and in 2011 introduced the first ever IMU-only finger capture system which lathered the most accurate finger mocap system today.

Prof. Dr.-Ing. Jürgen Götte

Prof. Dr.-Ing. Jürgen Götte received his Dipl.-Ing. and Dr.-Ing. degrees in Electrical Engineering from Technical University of Munich in 1987 and 1990, respectively. He held research positions at the Computer Science Department of Yale University (1991-1992) and with the DSP group of the Electrical and Computer Engineering Department of Rice University (1995-1996). He is Professor for Information Processing at the Department of Electrical Engineering and Information Technology of TU Dortmund University. His interests include signal and array processing, biomedical sensor signal processing, wireless communications, and parallel algorithms and architectures. The algorithms are also implemented and integrated in system-on-chip components.

Dr. med. Lutz Graumann

Dr. med. Lutz Graumann is a specialist in Sports Medicine, Nutrition and Chirotherapy with focus on performance enhancement. He is President of the Association of Performance Medicine, founder of Sportmedizin Rosenheim and Quest Vitality, team physician of the German Icehockey Federation, head of education at Blackroll, author of the bestselling books „REGENERATION“, „Functional Fascial Training with Blackroll“ and „GET FIT TO RUN“, and lecturer at the German Armed Forces Leadership Academy in Hamburg. He integrates sports and military medicine and cutting-edge technology to create data based movement, nutrition, recovery and mindset strategies for pro athletes, special forces, fighter pilots and leadership groups.

Dr. Holger Hendrichs

Dr. Holger Hendrichs is a member of the board at greenTEG AG, Switzerland. After his career in management consulting and his PhD at ETH Zurich, he joined greenTEG to help drive the expansion of its unique heat flux sensor technology to new markets. With greenTEG’s patented technology it is possible to measure core body temperature non-invasively and continuously, with medical-kind accuracy. The wearable “CORE” was launched shortly before this year’s Tour de France and used there by a professional team. Holger is a passionate waterpolo player after work and is never shy in trying out new sport adventures. Holger is looking forward to talk about these things during conference breaks.

Dr. Ulrich Jerichow

Dr. Ulrich Jerichow is the founder and CEO of VitaScale. Ulrich Jerichow holds a PhD in Material Science, has more than 20 years’ experience as a CTO in various industries as well as top management consultant for R&D / Operations. The foundation of VitaScale is based on his long lasting successful triathlon career, during which he developed the idea to make existing high end methods of sports medicine available to every end customer through a revolutionary product concept.

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Ben McNamara

Ben McNamara is an Australian born professional goalkeeper, currently living in the UK. During Ben’s more than decade long career as a professional athlete he has endured some almost career ending injuries and always searched for myofascial release tools to help him activate, recover and relieve pain. In April 2018 Ben met the founder and inventor of Theragun, Dr Jason Wersland. Since then he has been working with Theragun to understand protocols in muscle activation, recovery, and pain relief through high-frequency, high-amplitude neuromuscular percussive therapy. Ben’s role as Head of Education in EMEA is to drive culture and education of percussive therapy.

Florian Mennigen

Florian Mennigen During the London 2012 Olympics, Florian Mennigen was part of the legendary German rowing eight, which made fundamental changes after a disappointing last place at the 2008 Olympic Games. After this formative defeat, the team with Florian Mennigen remained unbeaten in over 36 regattas in 4 years, won three World Championship titles and finally Olympic gold in London 2012. After his career, the psychologist worked for energy and telecommunications companies. Today he advises companies on change processes, is a licensed clinical psychologist, corporate health ambassador and one of the most sought-after speakers at SPORT SPEAKER.

Prof. Dr. Borja Muniz-Pardos

Prof. Dr. Borja Muniz-Pardos is a senior research fellow based at the FIMS Collaborating Centre of Sport and Science, University of Zaragoza, Spain. Borja completed his doctoral studies with the highest-level award as part of the GENUD (Growth, Exercise, Nutrition and Development) research group at the University of Zaragoza. His research to date has focused on human performance with particular focus on sports integrity and the investigation of ergogenic aids such as sports drinks, brain stimulation, altitude training, doping with erythropoietin, blood-flow restriction training and the application of wearable technologies. His most recent research on the physiological and metabolic responses of blood-flow restriction training and its effectiveness as a training and rehabilitation modality is being conducted in partnership with the World Olympians Association WOA.

Prof. Dr. Thomas Münzel

Prof. Dr. med. Thomas Münzel MD, is Chief of the Department of Cardiology at the University Medical Center, Johannes Gutenberg University Mainz, Germany. He is an interventionalist and also a vascular biologist and got his post doc training as a vascular biologist at the Institute of Applied Physiology, Professor Eberhard Bassenge, Albert Ludwigs University Freiburg and in the Laboratories of David G Harrison, Emory University, Atlanta, GA, USA with focus on endothelial function and erectile stress. He is co-initiator of the Gutenberg Health Study, one of the largest prospective cohort trials worldwide and was the founding director of the Center for Thrombosis and Hemostasis, CTH in Mainz. Since 2011, his research group is focusing on environmental risk factors for cardiovascular disease with a focus on aircraft noise and air pollution.

Kathrin Neuhofer

Kathrin Neuhofer is a Sport Scientist and the Head of Performance Development at the International Football Institute. She is currently working on her PhD. Kathrin’s study focuses on developing criteria for an optimized talent scouting, selection and development process combined with state-of-the-art prognostics in professional youth soccer. As part of her responsibilities as Head of Performance Development, Kathrin counsels football clubs and federations throughout Europe. In addition, she is giving numerous lectures for football coaches, scouts, match and performance analysts to equip them with the necessary tools and skills in the application of new technologies and innovations as well as data analysis and interpretation.
Prof. Dr.-Ing. Stephan Odenwald  
**Speaker**

Prof. Dr.-Ing. Stephan Odenwald is researcher in the field of physical man-machine interaction and Sports Engineering. After his graduation in 1997 (Mechanical Engineering) he received his PhD degree in 2001 in the field of lightweight composite structures. 2003 he was appointed assistant professor and in 2011 full professor for Sports Equipment and Technology at Chemnitz University of Technology. His research interests are sensor-based characterization of man-machine-environment-interaction in field testing and mechanical simulations for testing sports equipment and medical devices. To promote technology transfer he founded the Steinbeis Research-Center Human Centered Engineering in 2015, focusing on the development of measuring systems and data acquisition systems.

Dr. med. Theodora Papadopoulou  
**Speaker**

Dr. med. Theodora Papadopoulou, MD, BSc, PGDip, MSc, PhD. FEBSM is a Consultant in Sport and Exercise Medicine and an orthopaedic surgeon. She is the Lead Consultant for Hip and Groin section, and for the Military Hip Rehabilitation Outcome Study at the UK Defence Medical Rehabilitation Centre, Stanford Hall. Since 1998, Dora has been a visiting lecturer for a range of Universities. She is the Secretary of the Development Commission of the FIMS; the Secretary General of the European Federation of Sport Medicine Associations, and Executive Board Member of the British Association of Sport and Exercise Medicine. She has also worked for various sports events, including Olympics, Paralympics and Special Olympics. She is the Doctor for the International Ultramarathon-Spartathlon and the British Spartathlon team. Dr Papadopoulou has authored numerous papers in scientific journals, and is a frequent conference speaker.

Prof. Dr. Yannis Pitsiladis  
**Speaker**

Prof. Dr. Yannis Pitsiladis was appointed (in 2013) Professor of Sport and Exercise Science at the University of Brighton. His current research priority is on detection of drugs in sport with particular reference to recombinant human erythropoietin (rHuEpo), blood doping and testosterone. His most recent research is funded by the World Anti-Doping Agency (WADA), he is currently a member of the IOC Medical and Scientific Committee, Chair of the Scientific Commission of the International Sports Medicine Federation (FIMS), and has sat on two WADA committees. He is a Fellow of the ACSM and expert of the Biotechnology and Biological Sciences Research Council. He has published over 140 peer-reviewed papers, written and edited a number of books and has featured in numerous research documentaries and popular books (e.g. Bounce, The Sports Gene).

Prof. Dr. med. Jürgen Scharhag  
**Speaker**

Prof. Dr. med. Jürgen Scharhag is head of the Department of Sports Medicine, Exercise Physiology and Prevention at the Centre for Sports Science, University of Vienna. He started his clinical education as a specialist in cardiology at the Johannes-Gutenberg-University in Mainz, which he completed at the University Clinic of Heidelberg. His research focus is on the effects of sports on the heart. During his career, Prof. Scharhag took care of athletes in various national teams (rowing, triathlon, football) at international competitions.

Koen Vercauteren  
**Speaker**

Koen Vercauteren is a passionate athlete and followed his dream after his long military career by founding Ledosreact. During several missions abroad he realized how important agility is in reacting quickly to unexpected situations to increase chances of survival. So, he is a strong believer that agility training makes a crucial contribution to individual actions in team sports. After studying various sports scientific papers and following courses such as sports neurology, he made Ledosreact one of the references in the field of agility training. Koen also loves a good chat, so feel free to talk to him.

Dr. med. Christian Werner  
**Speaker**

Dr. med. Christian Werner, studied Medicine in Homburg, Saarland. He has specialized in medical and cardiology. He is senior cardiologist at the University Clinic of the Saarland, focusing on cardiac active rhythm devices and left ventricular assist device (LVAD) therapy, heart failure unit, cardiopulmonary function tests and lipid disorders. His main research work deals with the unravelling of molecular mechanisms of physical activity. Here, mouse as well as human training studies were published in high-impact journals. The main finding of the research is, that in both, cross-sectional and longitudinal studies on young ad well long-term endurance athletes, and prospective training studies in healthy subjects starting an endurance training program in mid-age, telomere-associated proteins as well as telomere length, are improved, suggesting an "anti-aging" effect of endurance exercise.

Dr. Silvano Zanuso  
**Speaker**

Dr. Silvano Zanuso is Scientific Research & Communication Manager at Technogym and visiting professor at the University of Coventry (UK). He received his Bachelor Degree in Exercise Science at the ‘University of Padua’, his Master of Science at the ‘Manchester Metropolitan University’ and his Ph.D. in Clinical Exercise Physiology at the ‘Universidad Europea de Madrid’. Dr. Zanuso’s primary scientific and research interest is on the effects of physical activity and exercise in those with metabolic disorders, and he publishes regularly on this and other topics in recognized scientific and clinical journals. Dr. Zanuso has been a consultant for health promotion for different governments and public institutions, and he has held conferences and educational programs in more than twenty countries.

Prof. Dr. med. Norbert Bachl  
**Expert Committee**

Prof. Dr. med. Norbert Bachl is 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 EPSMA. In addition to this, he is a member of the Medical Commission of IOC, EOC, IOC and of the European Academy of Sciences and Arts. Prof Dr. Bachl acts as the Head of the Medical Commission of the UCI.

Karl Schwarzenbrunner  
**Speaker**

Karl Schwarzenbrunner was employed as the Head Strength and Conditioning Coach in a variety of team and individual sports, before taking over the role as the Head of Education and Science at the German Ice Hockey Federation (DEB). His main responsibility in this role is to evaluate and improve upon the training and education system at the DEB. To achieve this, Karl Schwarzenbrunner regularly collaborates with German Universities, in order to develop strategies for the transfer of outcomes of scientific research into real-world practice. His most recent work has focussed on Regeneration, the use of Artificial Intelligence in sport, and the cognitive development of players.
Prof. Dr. med. Cindy Lin
MD is a Sports Medicine and Physical Medicine & Rehabilitation Clinical Assistant Professor at University of Washington Medical Center, Seattle, WA USA. She is an Exercise Medicine (EIM) Emerging Leader as well as a member of the EIM Clinical Practice Committee for the American College of Sports Medicine (ACSM). She is Associate Editor of PM&R Journal. She practiced at the Changi Sports Medicine Centre, Singapore prior to joining University of Washington. She has been involved in national and international sporting event coverage as well as published journal articles and book chapters related to sports and exercise medicine.

Prof. Dr. med. Herbert Lällgen
FACC, FAHA, F.FIMS,F.UEMS Education in medicine and sports sciences with State Doctorate MD 1Y68, Bonn, Germany. Specialist training in internal medicine, occupational and sports medicine at Universities of Mainz, Copenhagen (Bengt Saltin) and German Sports University, Cologne. Qualifications in Internal Medicine, Cardiology 1978 (European Cardiologist), Preventive Medicine, Echocardiography, Lecturer: Gutenberg-University, Mainz (PhD). Vice head cardiology dept. Freiburg Univ., Head of Department of Internal Medicine, Remscheid (1985-2008): Intervenational Cardiology, Intensive Care Medicine, Pneumology, Sports Medicine. Space Medicine Consultant for DLR,ESA, and NASA, Houston. Private practice since 2008 (Internal Medicine, Cardiology, Sports Cardiology.

Prof. Dr. med. Rüdiger Reer
is the 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 spirometry 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.

Dr. med. Christian Schneider
MD PhD, is an orthopedic surgeon and specialist in sports medicine, and former head of Back and Sports Orthopedic Institute in SCHÖN KLINIK Munich Harlaching. He is the head of Orthopedic Center Theresie in Munich and a member of the Medical Expert Committee of the German Olympic Sports Confederation (DOSB). Dr. Schneider is chairman and board member of several associations and federations, including 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 previous Olympics and also Medical Commission of the European Olympic Committee in 1st European Games in Baku 2015.

Prof. Dr. med. Cindy Lin
Expert Committee

Prof. Dr. med. Herbert Lällgen
Expert Committee

Prof. Dr. med. Rüdiger Reer
Scientific Head of Program & Expert Committee

Dr. med. Christian Schneider
Expert Committee

Prof. Dr. med. Jürgen Steinacker
Expert Committee

Christian Stammel
is founder and CEO of WT Wearable Technologies Group and Navispace AG. Born in 1969, he successfully enables innovation and cooperation in the Internet of Things and wearables sector. Christian had already founded his first IT company during his university years, which went public in 2000. He is one of the digital pioneers with a track record of over 20 years in IoT and has created some world’s firsts including an ECG shirt in 2002. He advises some of the biggest tech companies and organizes with his teams important networking platforms in the US, Europe, Asia and Australia.

Christian Stammel
Expert Committee

Prof. Dr. med. Ansgar Schwirtz
Since 2002, Prof. Dr. Schwirtz is professor for biomechanics in Sports at the Technial University Munich. He has been Dean of the Faculty of Sports and Health Sciences there since October 2013. After completing his postgraduate and doctoral studies at the DSHS in Cologne, Schwirtz received his doctorate in “Movement Technology and Muscular Coordination in Cross-Country Skiing”. Since 2017 he is the president of DVS, the german association for sport science.

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