



## **ISSS Technical Meeting 2014**

San Francisco, Thursday 9<sup>th</sup> – Friday 10<sup>th</sup> October 2014

### **Information about Speakers**

#### **Dr. Steffen Willwacher**

Sports University of Cologne, Germany  
Institute of Biomechanics  
s.willwacher@dshs-koeln.de

*2004-2008 study of sport sciences at the German Sport University Cologne  
2009-2014 PhD in Biomechanics at the Institute of Biomechanics and Orthopaedics of the German Sport University Cologne  
PhD Thesis: Neuromuscular biomechanics and environment: Interaction in running*

#### *Scientific Awards:*

*2013: New Investigator Award - International Society of Biomechanics in Sport  
2013: Alex Stacoff Award for Methodology - Footwear Biomechanics Group of the International Society of Biomechanics  
2013: Young Investigator Award at the Asia Pacific Congress on Sports Technology*

#### *Active Sport Participation:*

*Track and Field - Best Result: Third Place at the 2003 European Junior Championships in Tampere, Finland*

#### *Coaching Activities:*

*Strength and Conditioning and Speed Coach of the current German Champion in female field hockey (Rot Weiß Köln)  
Track and field coach at the University club of the German Sport University Cologne*

#### **Dr. Phil Stricklen**

Chemist  
Shaw Industries  
Director of Sports Turf R&D, Dalton GA  
[phil.stricklen@shawinc.com](mailto:phil.stricklen@shawinc.com)

#### *Education:*

*B.S. in Chemistry - University of Arkansas  
Ph.D. in Chemistry - Iowa State University*

*Profession: Development of New Synthetic Turf Systems*

*Expertise: Fiber Extrusion / Turf Design / Turf Testing*



## **Juergen Widler**

Diplom Chemie-Ingenieur  
Conica AG, Schaffhausen, Switzerland (since 1997)  
Head of Technology Sports & Industry Surfacing  
[juergen.widler@conica.com](mailto:juergen.widler@conica.com)

### *Appointments*

- *Swiss Delegate of European Standardisation Process CEN TC 217 (track surfaces, artificial turf, sport surfaces indoor, environment)*
- *Collaborator of DIBT certification of sports hall surfaces in Germany*
- *Collaborator of BASPO 221 "Sports hall surfaces" Swiss Ministry of Sports*

### *Focus of Activities*

- *Development of new systems for track and field and sport halls*
- *Development of VOC free products and systems for sport hall surfaces + Certification*
- *Development of flame protected products & systems for sport hall surfaces + Certification*

## **Roland Kunkel**

Civil Engineer  
Kunkel Sports Consulting  
St. Louis, MO  
[rkunkel@gmx.com](mailto:rkunkel@gmx.com)

*40+ years in sports surface construction*

*80's: Gebr. Becker – Middle + Far East activities, General Manager*

*late 80's to early 90's : Balsam Technical Director U.K. + France*

*V.P. Engineering, Manufacturing + Construction U.S.A.*

*Mid 90's – present: R.K. Sports Consulting*

*design, review, project management and expert designation in lots of U.S. sports facilities at all levels  
Specialized in artificial sports surfacing and interfacing civil engineering aspects.*



## **Dr. Martin Schlegel**

Chemist (MSc)  
Chemneera Consulting Ltd.  
Melbourne, Australia  
martins@chemneera.com

### **Professional Background**

*Almost 20 years experience in synthetic sports surfacing, construction and specialty chemicals industry in product development, process engineering and research and development*

- *Principal of Chemneera Consulting providing advice in the sports and recreation industry*
- *Member of the Advisory Board of WTS Australia Consulting & Advisory, a tax, legal and management consulting*
- *Guest Lecturer at RMIT University Melbourne in the field of sports management and surfacing technology*
- *Member of the Editorial Board of the Journal of Sports Technology published by the Routledge, Taylor & Francis Group.*
- *Previously, Managing Director of Advanced Polymer Technology Australasia and Director of Sports Technology International, the supplier and installer of the hockey pitches for the 2012 Olympic Games in London.*

### **Education**

*Doctorate degree (Dr.rer.nat.) in natural sciences  
German Diplom (MSc) in Chemistry  
Economic studies as part of his doctorate program.*

### **Current Activities**

*Innovation consulting to small-to-medium enterprises and subsidiaries of multinational corporations in areas of*

- *Coatings, adhesive, sealants and elastomers (CASE) for indoor/outdoor sport surfaces*
- *Synthetic turf and grass yarn*
- *Geosynthetics and geotextile*
- *Sports technology (e.g. wearable devices)*

## **Denis Frank**

Business Administration + Sport Surface Tester  
Institute of Sports Facilities Testing ISP  
Bad Laer, Germany  
[d.frank@isp-germany.com](mailto:d.frank@isp-germany.com)

*Chairman of ISSS Task Group  
analyzing the results of the ISSS Round Robins  
and developing improvements of test procedures*



## **Gert-Jan Kieft**

Kiwa ISA-Sport  
NL-6800 AS Arnhem, The Netherlands  
[gert-jan.kieft@kiwa.nl](mailto:gert-jan.kieft@kiwa.nl)

### **Education**

- *International Agricultural High School Larenstein in Velp (The Netherlands): Bachelors degree in hydrology, civil engineering and applied information technology.*
- *Wageningen University (The Netherlands): Masters degree in Land and Water Management*

### **Positions**

- *IWACO Consultancy on Water and Environment: Consultant Water Management (1992 – 1997)*
- *Baan Development, Quality and Services department: Project Manager (1997 – 2002)*
- *Kiwa ISA Sport:*
  - *Project Manager/Technical Manager Research department (2003 – 2008)*
  - *Project Manager Innovation & Quality (since 2009)*

*Kiwa ISA Sport operates as an independent company originated from the NOC\*NSF (Dutch Olympic Committee and the Dutch Sports Federation). ISA Sport (number of staff: 40) is committed to ensure that sports facilities are of good quality, durable and safe.*

### **International activities**

- *Experienced project manager of projects concerning research on sports surfaces for soccer, hockey, tennis, athletics, indoor sports, playgrounds, and attributes.*
- *Project manager in innovative projects for equestrian floors, golf, ice skating, sports equipment, sustainability, maintenance and durability of sports surfaces.*
- *Experienced in development and improvement of quality assessment for sports floors, materials and equipment.*
- *Consultant and technical contact for FIFA and FIH on standards and test methods related to product testing.*
- *Technical contact for international sports governing bodies like UEFA (soccer), IAAF (athletics), ITF (tennis), ISSS, ESTO.*

## **Martyn R. Shorten, Ph.D**

BioMechanica LLC, Managing Partner  
Chairman of ASTM F08 Committee  
Portland, Oregon  
[martyn.shorten@biomechanica.com](mailto:martyn.shorten@biomechanica.com)



## **Allen Waterman**

APW Enterprises, LLC  
Professional Synthetic Turf Maintenance & Services  
Sherman, Connecticut 06784  
[alwaterman@hotmail.com](mailto:alwaterman@hotmail.com)

Started in the synthetic sports surface industry in 1986 working as laborer for Tennis Surfaces of Bartlett, Illinois installing synthetic surfaces on tennis courts, polyurethane running tracks, poured-in-place gymnasium floors and indoor soccer facilities. Within 3 years he became a crew foreman and two years later became a project superintendent. He has installed/maintained/ and removed surfaces in 41 of the 50 United States as well as numerous projects in Mexico and Canada.

He was a US Tennis Court and Track Builders Association, Certified Track Builder from 1996 through 2000. In 1996, he opened an office in the Chicago area for Track Masters of Arlington, Texas. The company was a track builder specializing in latex surfaces and within a year trained and managed two crews to install polyurethane track surfaces. In 1997, he became vice president of operations and moved the office to Connecticut where he managed crews working in the Midwest, Northeast, and Southwest.

In 1999, he went to work for Southwest Recreational Industries of Leander, TX as a territory manager for running track surfaces and artificial turf fields. After their demise in 2004 he sold fields and managed projects for Sportex (now Shaw).

In 2007, after fielding numerous calls from past customers about maintenance and repairs of their artificial turf fields, he started APW Enterprises. His company specializes in the maintenance and repair of artificial turf fields and has now expanded into the removal/ repurposing and recycling business.