



PROGRAMME

Tuesday, 3rd December 2019

Theme of the day: Touring Cars and new engines, GT and Balance of Power, F1's sustainability programme, and alternative fuels.

9:00 – 9:15

- **Opening statement and welcome by WILLIAM KIMBERLEY**
Editor in Chief, RACE TECH Magazine

9:15 – 9:45

- **WELCOME TO THE WORLD MOTORSPORT SYMPOSIUM BY THE CHAIRMEN**
ULRICH BARETZKY, Director Audi Motorsport Engine Development, Audi AG &
JOHN ILEY, Founder & Director, Iley Design Ltd

9:45 – 9:55

- **WELCOME by NIGEL FINE**
CEO, Institution of Engineering & Technology (IET)

9:55 – 10:15

- **KEYNOTE speech by LUCAS DI GRASSI**
Formula E Champion, CEO, Roborace, Special Advisor to Formula E & UN Environment Clean Air Advocate

10:15 – 10:45 COFFEE BREAK

10:45 – 11:05

- **Presentation by ULRICH BARETZKY**
Director Audi Motorsport Engine Development, Audi AG
The DTM is entering a new era in 2019. What does the new concept of the popular touring car series with turbo instead of naturally aspirated engines promise?

11:05 – 11:45

- **Panel session:** *The new-look DTM cars and what it means for Touring Cars*

11:45 – 12:05

- **Presentation by NICOLAS AUBOURG & TIM MALYON**
Head of Performance & Simulation, FIA & Head of Research, FIA
Technical Approach to BoP (Balance of Performance) in GT championships

12:05 – 12:45

- **Panel session:** *Technical Approach to BoP in GT championships*

12:45 – 13:00

- **TECH TALK by AVL**

13:00 – 14:00 LUNCH BREAK

14:00 – 14:20

- **Presentation by PAT SYMONDS**
Technical Director, Formula One
The F1 sustainability programme

14:20 – 15:00

- **Panel session:** *The F1 sustainability programme*

15:00 – 15:30 COFFEE BREAK

15:30 – 15:50

- **Presentation by VINCENT BEAUMESNIL**
Sports Director, ACO
CO2 and emissions in motorsport. Are biofuels, synthetic fuels and hybrid technology the answer to the long-term future of the IC engine, and what role can motorsport play in A. developing them and B. marketing them?

15:50 – 16:30

- **Panel session:** *Are biofuels, synthetic fuels and hybrid technology the answer to the long-term future of the IC engine, and what role can motorsport play in A. developing them and B. marketing them?*

16:30 – 16:45

- **Resume of the day**
Wrap-up from **ULRICH BARETZKY** and **JOHN ILEY** on conclusions from both morning and afternoon sessions

Wednesday, 4th December 2019

Theme of the day: New motorsport road map, robot cars and AI, rapid prototyping, CFD post processing and the application of machine learning in motorsport.

9:00 – 9:05

- **Opening statement and welcome by WILLIAM KIMBERLEY**
Editor in Chief, RACE TECH Magazine

09:05 – 9:30

- **WELCOME TO DAY 2 OF THE WORLD MOTORSPORT SYMPOSIUM BY THE CHAIRMEN**
ULRICH BARETZKY, Director Audi Motorsport Engine Development, Audi AG & **JOHN ILEY**, Founder & Director, Iley Design Ltd

9:30 – 9:50

- **Presentation by STEVE SAPSFORD**
Managing Director, SCE
New motorsport roadmap, including IC engine efficiency and low carbon fuels

9:50 – 10:30

- **Panel session:** *The future direction of motorsport*

10:30 – 11:00 COFFEE BREAK

11:00 – 11:20

- **Presentation by BRYN BALCOMBE**
Chief Strategy Officer, Roborace
Robots that want to race: Mainstream or Minority?

11:20 – 12:00

- **Panel session:** *Does the conventional racing car face an uncertain future? Will mainstream motorsport go the way of horse racing over the next 20 years due to revolutionary concepts like Roborace and other A1 series coming into mainstream motorsport?*

12:00 – 12:15

- **TECH TALK by Bcomp**

12:15 – 13:15 LUNCH BREAK

13:15 – 13:30

- *How motorsport is embracing rapid prototyping, 3d printing and advanced manufacturing*

13:30 – 14:00

- **Panel session:** *How motorsport is embracing rapid prototyping, 3d printing and advanced manufacturing*

14:00 – 14:20

- **Presentation by WILLEM TOET**
Professor, Aerodynamics Specialist & Senior Sales Manager at Sauber Aerodynamik AG
CFD Post Processing

14:20 – 15:00

- **Panel session:** *The importance of understanding just what you are seeing when it comes to aero analysis and how it can be applied practically to a physical model*

15:00 – 15:30 COFFEE BREAK

15:30 – 15:50

- **Presentation by MARC HILBERT**
Team Lead: Machine Learning in Engineering and Production Technologies, Volkswagen AG
The application of machine learning in 1. Assisting the race driver in managing more and more complex electrical drive systems (e.g. break-by-wire incl. recuperation) and 2. Creating race events for the future.

15:50 – 16:30

- **Panel session:** *The application of machine learning in motorsport*

16:30 – 17:00

- **Resume of the day**
Wrap-up from **ULRICH BARETZKY** and **JOHN ILEY** on conclusions from both morning and afternoon sessions

NB. The programme is subject to change