

# Drone Sport in FAI

## 2018 Activities and Plan for 2019





## Drone Sport in FAI

### F9 Technical Meeting Agenda

- **2018 Drone Racing World Cup**
- *2018 World Drone Racing Championships*
- *2019 World Drone Racing Championship format*
- *Ways to improve Drone Sport attractiveness*





## Drone Sport in FAI

### 2018 Drone Racing World Cup

<b>Number of Contests</b>
<b>Number of Organising Countries</b>
<b>Number of Registrations</b>
<b>Number of Competitors Placed</b>
<b>Number of Concerned Countries</b>
<b>Number of Juniors (under 18 years)</b>
<b>Number of Concerned Countries</b>
<b>Number of Women</b>
<b>Number of Concerned Countries</b>

2016	2017	2018
9	16 + 78 %	22 + 38 %
7	12 + 71 %	17 + 42 %
327	575 + 76 %	1004 + 75 %
229	434 + 90 %	669 + 54 %
17	37 + 118 %	41 + 11 %
18	76 + 322 %	133 + 75 %
4	18 + 350 %	23 + 28 %
	6	13 + 117 %
	6	9 + 50 %

### 2018 World Cup ranking

- **Top 3:**
  - 1- Killian ROUSSEAU (*Junior*) - FRA
  - 2- Jan WIELGOSZ (*Junior*) - POL
  - 3- David SPACEK - FAI (CZE)
- **12 contests won by a Junior**
- **6 Juniors in the top 8 places**





## Drone Sport in FAI

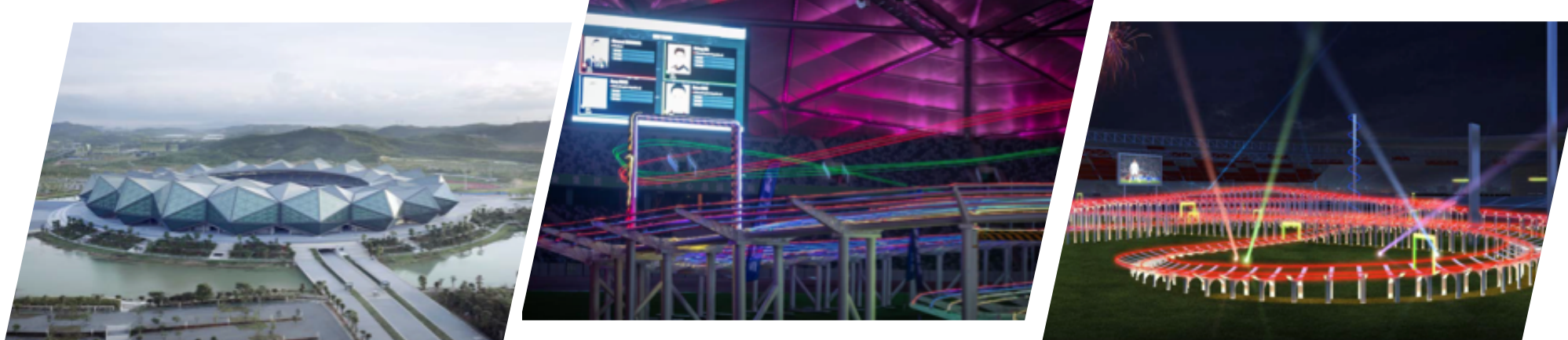
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## Drone Sport in FAI

### 2018 World Drone Racing Championships



- **1<sup>st</sup> to 4<sup>th</sup> of November 2018**
- **Shenzhen Universiade Center Stadium**
- **128 competitors from 34 countries**  
**260 participants in total**
- **Classifications:** Individual (Overall - Women - Junior) and National team
- **Straight Line Racing additional event** combined with World record attempt)
- **Organization:**  
Fédération Aéronautique Internationale (FAI)  
Aero Sports Federation of China (ASFC)  
Shenzhen Municipality (Culture, Sports and Tourism Administration)  
Kaisa Culture Sports & Tourism Group
- **TV Production:** Tencent  
**National broadcasting:** CCTV and local TV  
**International media distribution**
- **Prize Money:** 220.000 \$



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## Drone Sport in FAI

2019 World  
Drone Racing  
Championship  
format  
(1/3)

### ● 2019 Drone Racing World Cup (F9U class)

#### ■ Challenger Series

- 23 events registered from 18 countries: AUS - BEL - BLR - BUL - ESP (2 events) - FIN (*Indoor*) - FRA (2 events) - GBR - GER (2 events) - KOR (2 events) - ITA - LAT – LTU - MKD (2 events) - POL - RUS - SUI - SVK
- Additional events in discussion with Hong Kong, Indonesia, Japan Malaysia and Mexico

#### ■ Masters Series

- **North American Drone Masters - USA**
  - Hambourg, New York (10 & 11 August)
  - Hold during the 180<sup>th</sup> Erie County fair
  - Organized by Empire State Customs with MultiGP / AMA support
- **Jeju FAI World Drone Masters - Korea**
  - Jeju City (4 to 6 October)
  - Organized by Korea Aero Models Association





## Drone Sport in FAI

### 2019 World Drone Racing Championship format (2/3)

## ● 2019 World Championship Grand Final

- **Awarded to China** according to the 2018 Organizing Agreement - Tentative: Shenzhen Tuesday 10 to Friday 14 December 2019 *(subject to the official FAI & ASFC approval )*
- **Participation**
  - **Individual competitors directly qualified**
    - 16 best placed competitors in the World Cup ranking
    - 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> in a Masters Series event
    - 1<sup>st</sup> in any Challenger Series event with 40 competitors minimum
  - **National teams**
    - Every NAC may enter a team with 3 competitors extended to a maximum of 5 competitors providing at least one is a junior and one is a female
    - NAC's encouraged to consider for their national team the individual competitors directly qualified from the 2019 World Cup results
  - **Other individual competitors**
    - Host NAC entitled to issue 3 wild cards
    - FAI may issue wild cards to international drone racing leagues





## Drone Sport in FAI

2019 World  
Drone Racing  
Championship  
format  
(3/3)

### ● World Championship Grand Final

#### ■ Classifications

- **Individual classifications:** All competitors compete for the individual classifications (Overall and where appropriate Junior and Women)
- **National team classification:** This classification only concerns the national teams. Individual competitors not selected in a national team does not compete for the national team classification

#### ■ FAI Sporting Licence (Aeromodelling Discipline)

- Required for every competitor and team manager
- Not required for the dedicated helpers

**Note:** Situation of individual competitors directly qualified from World Cup results without being selected in their national team will be discussed case by case if necessary



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## Drone Sport in FAI

Some ideas to  
improve Drone  
Sport  
attractiveness

- **Better understanding of the race for public and medias**
  - Clear identification of the pilots on a stage with connection with colour allocated to their model
  - LED light unit on the model, including possibility to program colour so that each model in flight has a different one
  - Tracking system to follow on large screens position of the models on the track and placing
- **Effort on the racing track**
  - Avoid sophisticated design
  - Illuminating of the track  
and/or of the gates when a model passes the gate (with the colour allocated to the model)
- **Improvement of the video pictures quality** considering TV production requires HD format (16:9 1080 p)
  - Additional GoPro camera (useful only for TV post production)
  - Digital camera such as the additional DJI camera used for the WDRC in Shenzhen
- **E-competition** based on simulation of the real track

