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
### 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
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2018 World Drone Racing Championships

- 1st to 4th 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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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 180th 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
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
    - 1st, 2nd and 3rd in a Masters Series event
    - 1st 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
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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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