

| Nr             | Date           | Time  | Session  | Speaker(s)       | Title  |
|----------------|----------------|-------|--|------------------|--|
| <b>30 June</b> |                |       |  |                  |  |
| 1              |                | 09:00 | <b>Opening</b>   | Braun F          | <i>Noblesse oblige</i> - hop growing in Spalt  |
| 2              |                | 09:20 | <b>Hop breeding</b>  | Nesvadba V       | Breeding new drought-tolerant hop genotypes and their application in practice  |
| 3              |                |       | <i>Chair: Darby P.</i>   | Willært L        | Hop breeding in Belgium: development of regional hop varieties   |
| 4              |                |       |  | Gresset S        | Enabling genomic prediction for abiotic stress tolerance in hops   |
| 5              |                |       |  | Pin P            | Let's move into hop predictive breeding: new genomic pipeline to support the selection of hops   |
|                |                | 10:30 | Coffee break   |                  |  |
| 6              |                | 11:00 | <b>Genomics</b>  | Luskar L         | Uncovering the genetic background of hop resistance to <i>Verticillium</i> wilt  |
| 7              |                |       | <i>Chair: Patzak J.</i>  | Hajdu K          | Investigating the genetic architecture of <i>Verticillium</i> wilt resistance in UK hops   |
| 8              |                |       |  | Wiseman M        | Developing Powdery mildew resistance in hop through CRISPR-mediated mutagenesis of <i>MLO</i> S- genes                                 |
| 9              |                |       | <b>Phytopathology I</b>  | Lutz K           | Status report on <i>Verticillium</i> research 2025   |
| 10             |                |       |  | Radišek S        | Development of new approaches using beneficial microorganisms to prevent <i>Verticillium</i> wilt in hops                              |
|                |                | 12:40 | Lunch break  |                  |  |
| 11             |                | 14:00 | <b>Phytopathology II</b>   | Borland T        | Mycotoxin production in <i>Fusarium sambucinum</i> , the primary causal agent of Fusarium canker in United States hop yards            |
|                |                |       | <b>Hops and climate change</b>   | Cancela JJ       | Use of reclaimed water for hop irrigation in Galicia and Castilla-León, Spain  |
| 12             |                |       | <i>Chair: Čerenak A</i>  | Imahori R        | Enhanced stress tolerance in the hop varieties 'Saaz' and 'Hersbrucker Spät' by heat acclimation                                       |
| 13             |                |       |  | Loussert P       | Hop yields and alpha acids content modelling at global scale using machine learning algorithm  |
| 14             |                |       |  | Stangret V       | Hop'50: Designing resilient hop production systems in response to climate change   |
|                |                | 15:30 | Coffee break   |                  |  |
|                |                | 16:00 | <b>Poster teaser presentations (3 minutes each)</b>  |                  | Sequence of presenters: Cancela, Patzak, Ježek, Ruggeri, Czubacka, Trojak-Goluch, Testa, Büttner,                                      |
|                |                |       | <i>Chair: Weihrauch F.</i>   |                  | Arnold, Riedl, Equiza, Luskar, Volk, Pauvert, Khlynovskiy  |
|                |                | 17:00 | <b>Poster session with beers</b>   |                  |  |
| 15             | <b>01 July</b> | 09:00 | <b>Hop viroids</b>   | Volk H           | Evaluating CBCVd resistance in hop through artificial inoculation, grafting, and transcriptomics                                       |
| 16             |                |       | <i>Chair: Laupheimer S.</i>  | Krönauer Ch      | Early detection of CBCVd infection in hops   |
| 17             |                |       | <b>Entomology</b>  | Rak-Cizej M      | Biological control of the European corn borer, <i>Ostrinia nubilalis</i> , on hop  |
| 18             |                |       |  | Weber C          | Herbivore-induced resistance of hop plants against spider mites - state of play  |
| 19             |                |       |  | Weihrauch F      | Technical application of predatory mites in hops: Biological spider mite control <i>ante portas</i> !                                  |
|                |                | 10:30 | Bavarian breakfast: Wheat beer, Weißwurst, Brezen  |                  |  |
|                |                | 11:30 | <b>Mid-congress tour to Spalt city and the Hersbruck growing region; evening barbecue in Hersbruck</b> |                  |  |
| 20             | <b>02 July</b> | 09:00 | <b>Residue management in hops</b>  | Stampfl R        | Development of a method for determining dislodgeable foliar residue (DFR) values in hops to support risk evaluation                    |
| 21             |                |       | <i>Chair: Laugel-Niess B.</i>  | Horová I         | Natural Deep Eutectic Solvents as a greener alternative to traditional extraction methods for pesticide residues in hop products       |
| 22             |                |       |  | Krofta K         | Fate of pesticide residues in conventionally and dry-hopped beers  |
| 23             |                |       |  | Laupheimer S     | Transfer of hop pesticide residues into beer during brewing process  |
|                |                |       |  | Schüll F         |  |
|                |                | 10:30 | Coffee break   |                  |  |
| 25             |                | 11:00 | <b>Cultivation &amp; management of hops</b>  | Lutz M           | Model and demonstration project "Humus formation in hop cultivation"   |
| 26             |                |       | <i>Chair: Doleschel P.</i>   | Schlagenhauser A | Nutrient uptake of current German hop varieties  |
| 27             |                |       |  | Linseisen H      | Optimizing spatially variable information acquisition for smart hop management   |
| 28             |                |       |  | Kumhálová J      | Detection and evaluation of water stress of Czech hop varieties using remote sensing   |
| 29             |                |       | <b>Marketing</b>   | Testa H          | Marketing of hops for craft industry in Argentina  |
|                |                | 12:40 | Lunch break  |                  |  |
| 30             |                | 14:00 | <b>Indoor hop cultivation</b>  | Ruiz M           | Metabolomic profiling of indoor hop during cone development  |
| 31             |                |       | <b>Hops, aroma &amp; beer</b>  | Dubs S           | Characterizing the influence of hop microbiota on volatile organic compound production in traditional and organic agricultural systems |
| 32             |                |       | <i>Chair: Sugimura T.</i>  | Čerenak A        | From field to glass: evaluating Slovenian hop varieties for sensory properties in different brewing styles                             |
| 33             |                |       |  | Forster A        | The hop labyrinth: Finding a brewer's path through new varieties   |
|                |                | 15:30 | Coffee break   |                  |  |
|                |                | 16:00 | <b>Spanish craft beer tasting: I-ReWater Beers - hedonic taste</b>                                     |                  |  |
|                |                |       | <i>Chair: Loussert P. / Cancela J.J.</i>   |                  |  |
|                |                | 17:30 | <b>IHGC-STC administrative meeting</b>   |                  |  |
|                |                | 20:00 | <b>Official congress dinner</b>  |                  |  |