

# Programmes & Workshops 2020

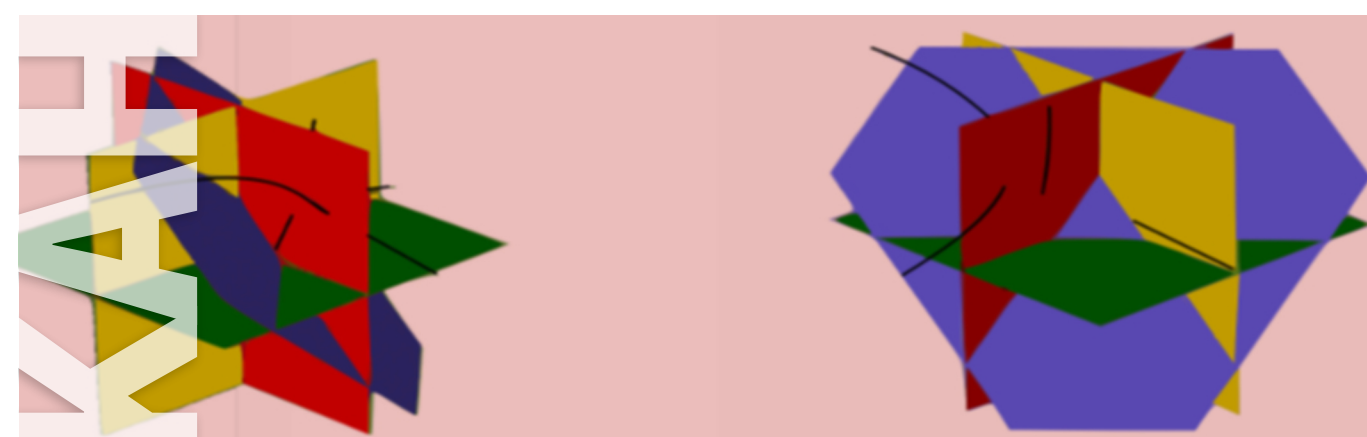
$E_7(2)$	$E_8(2)$	$F_4(2)$	$G_2(3)$	${}^3D_4(2^3)$	${}^2E_6(2^2)$	${}^2B_2(2^3)$	${}^2F_4(2)'$	${}^2G_2(3^3)$	$B_3(2)$	$C_4(3)$	$D_5(2)$
3 311 126	3 311 126	603 366 400	4 245 696	211 341 312	76 532 479 683	29 120	17 971 200	10 073 444 472	1 451 520	65 784 756	23 499 295 948 6
$E_7(3)$	$E_8(3)$	$F_4(3)$	$G_2(4)$	${}^3D_4(3^3)$	${}^2E_6(3^2)$	${}^2B_2(2^5)$	${}^2F_4(2^3)$	${}^2G_2(3^5)$	$B_2(5)$	$C_3(7)$	$D_4(5)$
5 734 420 792 816	5 734 420 792 816	671 844 761 600	251 596 800	20 560 831 566 912	11 635 333 534 567 033	32 537 600	264 905 352 699	49 825 657	4 680 000	273 457 218	8 911 539 000
$E_7(4)$	$E_8(4)$	$F_4(4)$	$G_2(5)$	${}^3D_4(4^3)$	${}^2E_6(4^2)$	${}^2B_2(2^7)$	${}^2F_4(2^5)$	${}^2G_2(3^7)$	$B_2(7)$	$C_3(9)$	$D_5(3)$
19 009 825 523 840 945	19 009 825 523 840 945	451 297 607 128 000	5 859 000 000	67 802 330	85 000 775 707 796	34 093 383 680	239 189 910 264	138 297 600	54 025 731 402	1 289 512 79	941 305 139 20
$E_7(q)$	$E_8(q)$	$F_4(q)$	$G_2(q)$	${}^3D_4(q^3)$	${}^2E_6(q^2)$	${}^2B_2(2^{2n+1})$	${}^2F_4(2^{2n+1})$	${}^2G_2(3^{2n+1})$	$B_n(q)$	$C_n(q)$	$D_n(q)$
$\frac{q^{21}-1}{(q-1)} \prod_{i=1}^6 (q^{2i}-1)$	$\frac{q^{24}-1}{(q-1)} \prod_{i=1}^7 (q^{2i}-1)$	$\frac{q^{12}-1}{(q-1)} \prod_{i=1}^3 (q^{4i}-1)$	$\frac{q^6-1}{(q-1)} \prod_{i=1}^2 (q^{2i}-1)$	$\frac{q^{12}-1}{(q-1)} \prod_{i=1}^3 (q^{4i}-1)$	$\frac{q^{12}-1}{(q-1)} \prod_{i=1}^3 (q^{4i}-1)$	$\frac{q^{2n+1}-1}{(q-1)} \prod_{i=1}^n (q^{2i}-1)$	$\frac{q^{2n+1}-1}{(q-1)} \prod_{i=1}^n (q^{2i}-1)$	$\frac{q^{2n+1}-1}{(q-1)} \prod_{i=1}^n (q^{2i}-1)$	$\frac{q^n-1}{(q-1)} \prod_{i=1}^n (q^i-1)$	$\frac{q^n-1}{(q-1)} \prod_{i=1}^n (q^i-1)$	$\frac{q^n-1}{(q-1)} \prod_{i=1}^n (q^i-1)$

## Groups, representations and applications: new perspectives

6 January 2020 to 20 March 2020



- W** Introductory/instructional workshop  
6 - 10 January 2020
- W** Computational and algorithmic methods  
27 - 31 January 2020
- W** Interactions between group theory, number theory, combinatorics and geometry  
16 - 20 March 2020



## K-Theory, algebraic cycles and motivic homotopy theory

6 January 2020 to 20 March 2020



- W** Introductory workshop  
13 - 17 January 2020



## Infectious Dynamics of Pandemics: Mathematical and statistical challenges in understanding the dynamics of infectious disease pandemics

5 May 2020 - 18 December 2020

- W** Models for an exit strategy  
11 - 15 May 2020
- W** Models old and new  
18 - 22 May 2020
- W** R - How to estimate and what does it mean?  
23 - 25 June 2020
- W** Within-Host Modelling  
7 - 8 July 2020
- W** Model Inference  
29 - 30 July 2020
- W** Future pandemics  
10 - 25 September 2020



## Integrating quantitative social, ecological and mathematical sciences into landscape decision-making

7 - 10 September 2020

**FW**



## Innovative mathematics for the modern industrial strategy

3 - 14 February 2020

**E**

- W** WORKSHOP
- FW** FOLLOW-ON WORKSHOP
- E** ONE-OFF EVENT

**P** Due to the COVID-19 pandemic the second half of this programme is postponed until 2022.