

Warwick Workshop on Free Divisors

May 31-June 4

All talks will take place in Room B3.03, Mathematics Institute
EXCEPT WEDNESDAY: Room B3.02

Tuesday May 31 (Room B3.03)

10.00-10.30 Coffee in Mathematics Institute Common Room

10:30-10:45 Welcome

10:45-11:45 **Ragnar-Olaf Buchweitz** (Toronto)

Desingularizing Free Divisors

11:45-12:45 **Yoshishige Haraoka** (Kumamoto)

*Monodromy of rank 3 completely integrable systems
singular along free divisors*

12:45-1:30 Buffet lunch in Mathematics Institute Common Room

1:30-2:00 Discussion time

2:00-3:00 **David Mond** (Warwick)

Some examples almost for their own sake

3:00-4:00 **Luis Narvaez** (Sevilla)

Linearity properties of Jacobian ideals

4:00-4:30 Tea in Mathematics Institute Common Room

4:30-5:30 **Brian Pike** (Chapel Hill, North Carolina)

Block representations and their properties

6:00-7:00 Drinks and snacks in Mathematics Institute Common Room

Wednesday June 1 (Room B3.02)

9:00-10:00 **James Damon** (Chapel Hill, North Carolina)

*On the topology of free divisors and matrix singularities via
representations of solvable groups*

10:00-10:30 Coffee in Mathematics Institute Common Room

10:30-11:30 **Paul Cadman** (Warwick)

*On the δ -constant stratum in the discriminant of a plane
curve singularity*

11:30-12:30 **Francisco Castro** (Sevilla)

Some examples of quasi-free divisors

12:30-1:30 Buffet lunch in Mathematics Institute Common Room

1:30-3:00 Discussion time

3:00-4:00 **Jiro Sekiguchi** (UAT, Tokyo)

Saito free divisors and uniformisation equations

4:00-4:30 Tea in Mathematics Institute Common Room

4:30-5:30 **Takuro Abe** (Kyoto)

Freeness and chambers in line arrangements

7:00-late Conference dinner at Saxon Mill restaurant, Warwick

Thursday June 2 (Room B3.03)

9:00-10:00 **Kyoji Saito** (IPMU, Tokyo)

The fundamental groups of regular orbit spaces of finite reflection groups, and polyhedral dual to Coxeter arrangements

10:00-10:30 **Coffee in Mathematics Institute Common Room**

10:30-11:30 **Tadashi Ishibe** (Kyoto)

Monoids in the fundamental groups of the complements of free divisors in \mathbb{C}^3

11:30-12:30 **Javier Fernandez de Bobadilla** (CSIC Madrid)

Proof of the Nash conjecture for surfaces

12:30-1:30 **Buffet lunch in Mathematics Institute Common Room**

1:30-onwards: Free afternoon

Friday June 3 (Room B3.03)

9:00-10:00 **Michel Granger** (Angers)

Free divisors and adjunction property for Coxeter arrangements and discriminants

10:00-10:30 **Coffee in Mathematics Institute Common Room**

10:30-11:30 **Michele Torielli** (Warwick)

Rigidity of reductive linear free divisors

11:30-12:30 **Aron Simis** (Pernambuco)

The quest for irreducible free divisors

12:30-1:30 **Buffet lunch in Mathematics Institute Common Room**

1:30-3:00 Discussion time

3:00-4:00 **Mathias Schulze** (Oklahoma State)

Free discriminants in prehomogeneous vector spaces

4:00-4:30 **Tea in Mathematics Institute Common Room**

4:30-5:30 **Eleonore Faber** (Vienna)

Normal crossing divisors and Jacobian ideals

6:00-7:30 **Buffet dinner in Mathematics Institute Common Room**

Saturday June 4 (Room B3.03)

9:00-10:00 **Susumu Tanabe** (Galatasaray)

On wave fronts defining free or almost free divisors

10:00-10:30 **Coffee in Mathematics Institute Common Room**

10:30-11:30 **Max Wakefield** (US Naval Academy, Annapolis)

Szygies of the Jacobian ideal of a hyperplane arrangement

11:30-12:30 **Graham Denham** (Western Ontario)

Enumerative problems for logarithmic vector fields on hyperplane arrangements

12:30-1:30 **Buffet lunch in Mathematics Institute Common Room followed by departure**