

# Programme for the Summer school: The dual approach to Coxeter and Artin groups; Garside theory and applications

## Monday

### Morning:

08:30 - 09:00	Opening	
09:00 - 10:15	M. Dyer	Factorizations of the lattice of reflection subgroups of a Coxeter group
10:30 - 11:45	F. Digne	Garside families, Garside monoids and categories

### Afternoon:

14:00 - 15:15	L. Paris	Artin groups and related spaces
15:15 - 15:45	Coffee break	
15:45 - 16:45	P. Schwer	Reflection length in Coxeter groups
17:00 - 18:00	F. Digne	Problem Seminar
18:00 - 19:00	L. Paris	Problem Seminar

## Tuesday

### Morning:

09:00 - 10:15	F. Digne	Garside families, Garside monoids and categories
10:30 - 11:45	L. Paris	Artin groups and related spaces

### Lunch:

13:30 - 14:00	Poster presentations	
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### Afternoon:

14:00 - 15:15	J. Michel	Interval monoids
15:15 - 15:45	Coffee break	
15:45 - 16:45	G. Paolini*	The dual approach to the $K(\pi, 1)$ conjecture
17:00 - 18:00	M. Dyer	Problem Seminar
18:00 - 19:00	J. Michel	Problem Seminar

## Wednesday

### Morning:

09:00 - 10:15	I. Marin	Presentations and monoids for complex braid groups
10:15 - 10:45	Coffee break	
10:45 - 11:45	J. Michel	Interval monoids
12:00 - 13:00	F. Chouraqui*	Garside groups and the Yang-Baxter equation

**Afternoon:** Excursion

**Evening:** Free style discussions

## Thursday

### Morning:

09:00 - 10:15	G. Malle	Complex reflection, braid groups, and Hecke algebras
10:30 - 11:45	I. Marin	Presentations and monoids for complex braid groups

### Lunch:

13:30 - 14:00	Poster presentations
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### Afternoon:

14:00 - 15:00	H. Krause	Non-crossing partitions in representation theory of algebras
15:00 - 15:30	Coffee break	
15:30 - 16:45	J. McCammond*	Finding Reflection Factorizations
16:45- 17:30	Plenary session	Photo
17:00 - 18:00	I. Marin	Problem Seminar
18:00 - 19:00	G. Malle	Problem Seminar

## Friday

### Morning:

09:00 - 10:15	M. Dyer	The n-low Garside shadow
10:30 - 11:45	G. Malle	Complex reflection, braid groups, and Hecke algebras

### Afternoon:

14:15 - 15:30	J. Michel	GAP Session
15:30 - 16:00	Coffee break	
16:00 - 17:00	R. Charney*	Geometric approaches to Artin groups
17:15 - 18:30	J. McCammond*	Finding Reflection Factorizations
18:30 - 19:00	J. McCammond*	Open Problem Seminar

## Saturday

### Morning

09:00 - 10:15	E. Godelle*	On fusion control in FC type Artin-Tits groups
10:30 - 11:30	S. Rees	Reduction in Artin groups
12:00 - 13:00	Plenary session	Discussion and goodbye coffee
13:00	Closing	

\* means the speaker gives her/his talk via Zoom.