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Winter College on Optics: Optical Frequency Combs - from multispecies gas sensing to high precision interrogation of atomic and molecular targets | (smr 2811)

Monday 15 February 2016

- Leonardo Building - Budinich Lecture Hall (08:30-18:00)

time	title	presenter
08:30	Registration and administrative procedures	
10:30	Welcoming and introduction	
10:45	The frequency comb (r)evolution	THOMAS UDEM
12:30	Lunch break	
14:00	Oscillators: frequency stability and noise analysis - part 1	GIANLUCA GALZERANO
15:30	Coffee break	
16:00	Oscillators: frequency stability and noise analysis - part 2	GIANLUCA GALZERANO

Tuesday 16 February 2016

- Leonardo Building - Budinich Lecture Hall (09:00-17:30)

time	title	presenter
09:00	Atomic clocks and frequency transfer - part 1	HELEN MARGOLIS
10:30	Coffee break	
11:00	Atomic clocks and frequency transfer - part 2	HELEN MARGOLIS
12:30	Lunch break	
14:00	Nonlinear optics in the short pulse regime: basics and practice - part 1	MARCO MARANGONI
15:30	Coffee break	
16:00	Nonlinear optics in the short pulse regime: basics and practice - part 2	MARCO MARANGONI

Wednesday 17 February 2016

- Leonardo Building - Budinich Lecture Hall (09:00-19:00)

time	title	presenter
09:00	Building a fibre mode-locked laser - part 1	DANIELE BRIDA
10:30	Coffee break	
11:00	Building a fibre mode-locked laser - part 2	DANIELE BRIDA
12:30	Lunch break	
14:00	Understanding noise sources and stabilization strategies in frequency combs - part 1	NATHAN NEWBURY
15:30	Coffee break	
16:00	Understanding noise sources and stabilization strategies in frequency combs - part 2	NATHAN NEWBURY
17:30	Poster session	

Thursday 18 February 2016

- Leonardo Building - Budinich Lecture Hall (09:00-19:00)

time	title	presenter
09:00	Kerr combs	PASCAL DEL'HAYE
11:00	Coffee break	
11:30	Extreme Ultraviolet Frequency Combs: Principles and Applications - part 1	THOMAS ALLISON
12:30	Lunch break	
14:00	Extreme Ultraviolet Frequency Combs: Principles and Applications - part 2	THOMAS ALLISON
15:30	Coffee break	
16:00	LAMP talks session	
17:30	Coffee break	
18:00	Poster session	

Friday 19 February 2016

- Leonardo Building - Budinich Lecture Hall (09:00-17:30)

time	title	presenter
09:00	Molecular spectroscopy: basics - part 1	ERIK KERSTEL
10:30	Coffee break	
11:00	Molecular spectroscopy: basics - part 2	ERIK KERSTEL
12:30	Lunch break	
14:00	Optical spectroscopy techniques - part 1	DANIEL LISAK
15:30	Coffee break	
16:00	Optical spectroscopy techniques - part 2	DANIEL LISAK

Monday 22 February 2016

- Leonardo Building - Budinich Lecture Hall (09:00-17:30)

time	title	presenter
09:00	Frequency combs from the Mid-Infrared to the Terahertz - part 1	INGMAR HARTL
10:30	Coffee break	
11:00	Frequency combs from the Mid-Infrared to the Terahertz - part 2	INGMAR HARTL
12:30	Lunch break	
14:00	Comb-assisted spectroscopy - part 1	PAOLO DE NATALE
15:00	Coffee break	
16:00	Comb-assisted spectroscopy - part 2	PAOLO DE NATALE

Tuesday 23 February 2016

- Leonardo Building - Budinich Lecture Hall (09:00-20:45)

time	title	presenter
09:00	Coherent comb-matter interaction - part 1	TICJIANA BAN
10:00	Coffee break	
10:30	Coherent comb-matter interaction - part 2	TICJIANA BAN
12:30	Lunch break	
14:00	Direct Comb spectroscopy on Gas-filled optical fibers	KRISTAN CORWIN
15:00	Coffee break	
15:30	ICO/ICTP Gallieno Denardo Award Ceremony	
19:00	ICO Reception	

Wednesday 24 February 2016

- Leonardo Building - Budinich Lecture Hall (09:00-19:30)

time	title	presenter
09:00	Cavity-enhanced direct comb spectroscopy	PIOTR MASLOWSKI
11:00	Coffee break	
11:30	Dual-comb spectroscopy - part 1	IAN CODDINGTON
12:30	Lunch break	
14:00	Dual-comb spectroscopy - part 2	IAN CODDINGTON
15:30	Coffee break	
16:00	From phase stable pulses to the attosecond science	CATERINA VOZZI
18:00	Detection of Gravitational Waves with laser interferometers	ERIC GENIN

Thursday 25 February 2016

- Leonardo Building - Budinich Lecture Hall (09:00-19:30)

time	title	presenter
09:00	Precision spectroscopy of molecular hydrogen in search for new physics - part 1	WIM UBACHS
10:30	Coffee break	
11:00	Precision spectroscopy of molecular hydrogen in search for new physics - part 2	WIM UBACHS
12:30	Lunch break	
14:00	Frequency comb spectroscopy outside the laboratory - part 1	RONALD HOLZWARTH
15:30	Coffee break	
16:00	Frequency comb spectroscopy outside the laboratory - part 2	RONALD HOLZWARTH
17:30	Coffee break	
18:00	Menlo Systems comb exhibition - CONFIRMED -	RONALD HOLZWARTH

Friday 26 February 2016

- Leonardo Building - Budinich Lecture Hall (09:00-14:00)

time	title	presenter
09:00	Optical lattice atomic clocks - part 1	MICHAL ZAWADA
10:30	Coffee break	
11:00	Optical lattice atomic clocks - part 2	MICHAL ZAWADA
12:30	Feedback Session & Closing Remarks	