

13th International ISAAC Congress
August 2–6, 2021 - Ghent, Belgium

Conference programme



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with technical support by Geert Vernaeve

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	Monday	Tuesday	Wednesday	Thursday	Friday
8:00–10:00	10	2,4,8,10 11,13	4,6,10,11,14 + JOINT (7,8,13)	3,6,7,8 12,14,16	1,3,6,7 8,14,16
10:00–10:30	Break	Break	Break	Break	Break
10:30–12:00	10,15	2,4,8,10 11,13,15	4,6,10,11,14,15 + JOINT (7,8,13)	3,6,7,8 12,14,16	1,3,6,7 8,14,16
12:15–13:00	Opening	Break	Break	Break	Break
13:00–14:00	de Hoop	Break	Break	Break	13:30 Closing
14:00–15:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip
15:00–16:30	2,3,5,7,8,14	1,3,5,7 9,12,14	1,3,7,8,10,12,14	2,4,5,8,10 13,14,15	4,9,10,15
16:30–17:00	Break	Break	Break	Break	Break
17:00–19:00	2,3,5,7,8,14	1,5,7 9,12,14	1,7,8,10,12,14	2,4,5,8,10 13,14,15	4,10

All times are in time zone UTC+2.

Plenary lectures and events

Monday

12:15		Opening ceremony
13:00	Maarten de Hoop	Inverse problems in anisotropic elasticity and waves
14:00	Guido De Philippis	(Boundary) Regularity for Mass Minimising currents

Tuesday

14:00	Barbara Kaltenbacher	Nonlinear Acoustic Waves: Modeling - Analysis - Numerics - Optimization
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Wednesday

14:00	Arno Kuijlaars	Universality for eigenvalues of random matrices
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Thursday

14:00	Stéphane Jaffard	Multivariate Multifractal Analysis
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Friday

13:30		Closing ceremony
14:00	Kristian Seip	Contractive inequalities for Hardy spaces

Session 1 Applications of Dynamical Systems Theory in Biology

Organizer: Torsten Lindström

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00					Serovajsky
8:30					Zhunussova
9:00					Cheban
9:30					Gaiko
10:00					Break
10:30					C. C. Wanjala
11:00					Silva
11:30					Lindström
12:00	12:15 Opening				Break
13:00	de Hoop				13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip
15:00		Malaguti	Szymańska-Dębowska		
15:30		Chakraborty	Söderbacka		
16:00		Martiradonna	Guillamon		
16:30		Break	Break		
17:00		Bulai	Wyller		
17:30		Peixe	Alcála Garrido		
18:00		Hritonenko	Ivanov		
18:30		Sørensen	Wolkowicz		

Session 2 Challenges in STEM Education

Organizers: Ján Gunčaga and Vladimir Mityushev

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30		Wijaya			
9:00		Putra			
9:30		Toiganbayeva			
10:00		Break			
10:30		Zhunussova			
11:00		Jancarik			
11:30		Ferdianova			
12:00	12:15 Opening	Break			
13:00	de Hoop	Break			13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip
15:00	Körtesi			Sajka	
15:30	Václavíková			Zemanová	
16:00	Velichová			Santos	
16:30	Break			Break	
17:00	Korenova			Hritonenko	
17:30	Lavicza			Hvorecky	
18:00	Papp			Nevřelová	

Session 3 Complex Analysis and Partial Differential Equations

Organizers: Sergei Rogosin, Ahmet Okay Celebi and Carmen Judith Vanegas

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00				Gulua	Muratbekov
8:30				Chinchaladze	Ng Tuen Wai
9:00				Samer Ahmed	Riche
9:30				Bouallala	Giorgobiani
10:00				Break	Break
10:30				Duduchava	Jaiani
11:00				Tephnadze	Celebi
11:30				Break	Break
12:00	12:15 Opening			Break	Break
13:00	de Hoop			Break	13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip
15:00	Rogosin	Xu	Vanegas		
15:30	Adukova	Jimenez	Esquivel		
16:00	Bosiakov	Gilbert	Aksoy		
16:30	Break				
17:00	Manjavidze				
17:30	Spitkovsky				
18:00	Katz				
18:30	Mikhailov				

Session 4 Complex Variables and Potential Theory

Organizers: Tahir Aliyev Azeroglu, Massimo Lanza de Cristoforis, Anatoly Golberg and Sergiy Plaksa

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30		Golberg	Ishikawa		
9:00		Karp	Kalmykov		
9:30		Klishchuk	Kaptanoglu		
10:00		Break	Break		
10:30		Prilepkina	Örnek		
11:00		Sete	Fernandez		
11:30		Afanasjeva	Break		
12:00	12:15 Opening	Break	Break		
13:00	de Hoop	Break	Break		13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip
15:00				Akyel	Denega
15:30				Reznichenko	Gryshchuk
16:00				Lanza de Cristoforis	Osipchuk
16:30				Break	Break
17:00				Luzzini	Pérez
17:30				Musolino	Plaksa
18:00				Kohr	Vyhivska

Session 5 Constructive Methods in the Theory of Composite and Porous Media

Organizers: Vladimir Mityushev, Natalia Rylko and Piotr Drygaś

	Monday	Tuesday	Wednesday	Thursday	Friday
12:00	12:15 Opening				
13:00	de Hoop				13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip
15:00	Kolpakov	Andrianov		Zaccaron	
15:30	Natroshvili	Kurtyka		Wojnar	
16:00	Kakulashvili	Stawiarz		Bosiakov	
16:30	Break	Break		Break	
17:00	Gric	Necka		Ashimov	
17:30	Gulua	Nasser		Krzaczek	
18:00	Giorgadze	Drygas			
18:30	Paszruta	Mityushev			

Session 6 Function spaces and their applications to nonlinear evolution equations

Organizers: Baoxiang Wang and Mitsuru Sugimoto

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00			Hao	Tomita	Bez
8:30			Guo	Iwabuchi	Liu
9:00			Chen	Huo	Y. Wang
9:30			Kinoshita	Kishimoto	Taniguchi
10:00			Break	Break	Break
10:30			Xu	Zhao	Tsutsui
11:00			T. Kato	X. Wang	Kobayashi
11:30			Break	Han	K. Kato
12:00	12:15 Opening		Break	Break	Break
13:00	de Hoop		Break	Break	13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip

Session 7 Generalized Functions and Applications

Organizers: Michael Kunzinger and Marko Nedeljkov

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00			(joint with 8,13)		Gordić
8:30			Coriasco		Melnikova
9:00			Cardona	Choi	Prangoski
9:30			Garello	Hwang	Seleši
10:00			Break	Break	Break
10:30			(joint with 8,13)		
11:00			Morando	Kmit	Singh
11:30			Garetto	Kunstek	Stoeva
			Sugimoto	Nedeljkov	Teofanov
12:00	12:15 Opening		Break	Break	Break
13:00	de Hoop		Break	Break	13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip
15:00	Pilipović	Abdelkader	Atanacković		
15:30	Atanasova	Chatzakou	Broucke		
16:00	Bargetz	Giordano	Debrouwere		
16:30	Break	Break	Break		
17:00	Ben Cheikh	Marti	Break		
17:30	Kunzinger	Oberguggenberger	Minchava-Kamińska		
18:00	Velinov	Vernaev	Kleiner		
18:30	Vindas	Verriest	Neyt		

Session 8 Harmonic Analysis and Partial Differential Equations

Organizers: Vladimir Georgiev, Michael Ruzhansky and Jens Wirth

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00		Kubo	(joint with 7,13)		Zhou
8:30		Kitamura	Coriasco		Lu
9:00		Garrisi	Cardona	Maes	Kerimbekov
9:30		Lai	Garello	Trushin	Dosmagulova
10:00		Break	Break	Break	Break
10:30		Bez	(joint with 7,13)		Suragan
11:00		Chikami	Morando	Restrepo	Tushir
11:30		Taniguchi	Garetto	Pombo	Break
		Sugimoto	Omarova		
12:00	12:15 Opening	Break	Break	Break	Break
13:00	de Hoop	Break	Break	Break	13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip
15:00	Turunen		D'Ancona	Yessirkegenov	
15:30	Bastianoni		Federico	Loiudice	
16:00	Brinker		Scandone	Guliyev	
16:30	Break		Break	Break	
17:00	El Ouadih		Sabitbek	Daher	
17:30	E. M. Berkak		Abdullaev	Safouane	
18:00	Haouala		Van Bockstal	I. Berkak	
18:30	Azzedine		Vougalter		

Session 9 Integral Transforms and Reproducing Kernels

Organizer: Zouhaïr Mouayn

	Monday	Tuesday	Wednesday	Thursday	Friday
12:00	12:15 Opening				
13:00	de Hoop				13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip
15:00		Negzaoui			Sonoda
15:30		Hashimoto			Jakšić
16:00		Nelson			Cho
16:30		Break			Noda
17:00		Schlosser			
17:30		Saitoh			

Session 10 Operator Theory and Harmonic Analysis

Organizers: Alexey Karapetyants and Vladislav Kravchenko

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00	Sawano	Thangavelu	Nakai		
8:30	Skubachevskii	Dyakonov	Karagulyan		
9:00	Taskinen	Capone	Shargorodsky		
9:30	Stratis	Almeida	Virtanen		
10:00	Break	Break	Break		
10:30	Blasco	Kokilashvili	Lamberti		
11:00	Meskhi	Kusraeva	Leon Saavedra		
11:30	Break	Shishkina	Karapetyants		
12:00	12:15 Opening	Break	Break		
13:00	de Hoop	Break	Break		13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip
15:00			Perez Moreno	Daher	Sehba
15:30			Karlovich	Tyr	Restrepo
16:00			Zampogni	Britvina	Üster
16:30			Bondarenko	Break	Break
17:00			Gonessa	Hitrik	Torba
17:30			Vicente-Benitez	Mazzucato	Loredo
18:00				Harutyunyan	Barrera-Figueroa
18:30				Aslan	

Session 11 Operator Theory and Time-dependent PDEs

Organizer: Marcus Waurick

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30		Behrndt	Solonukha		
9:00		Schwenninger	Kennedy		
9:30		Seifert	Trunk		
10:00		Break	Break		
10:30		Philipp	Cooper		
11:00		Waurick	Trostorff		
11:30		Picard	Pauly		
12:00	12:15 Opening	Break	Break		
13:00	de Hoop	Break	Break		13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip

Session 12 Partial differential equations on curved spacetimes

Organizers: Anahit Galstyan, Makoto Nakamura and Karen Yagdjian

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00				Takamura	
8:30				Takeda	
9:00				Tsuchiya	
9:30				Nakamura	
10:00				Break	
10:30				Liu	
11:00				Yang	
11:30				Palmieri	
12:00	12:15 Opening			Break	
13:00	de Hoop			Break	13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip
15:00		Break	Break		
15:30		Nataro	Karp		
16:00		Wrochna	Ebert		
16:30		Break	Break		
17:00		Baskin	Grigorian		
17:30		Yagdjian	Balogh		
18:00			Galstyan		

Session 13 Pseudo Differential Operators

Organizer: Man Wah Wong

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00		Toft	(joint with 7,8)		
8:30		Ivec	Coriasco		
9:00		Vučković	Cardona		
9:30		Abdeljawad	Garello		
10:00		Break	Break		
10:30		Wahlberg	(joint with 7,8)		
11:00		Vojnovic	Morando		
11:30		Break	Sugimoto		
12:00	12:15 Opening	Break	Break		
13:00	de Hoop	Break	Break		13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip
15:00				V. Kumar	
15:30				Catană	
16:00				M. Kumar	
16:30				Break	
17:00				Rodino	
17:30				Cohen	
18:00				Ben-Benjamin	
18:30				Lu	

Session 14 Quaternionic and Clifford Analysis

Organizers: Swanhild Bernstein, Uwe Kähler, Irene Sabadini and Franciscus Sommen

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00			Baghal Ghaffari	W. Wang	Hitzer
8:30			Dizon	Massopust	El Gargati
9:00			Hogan	L. Wang	Bryukhov
9:30			De Martino	de Fabritiis	Yuksel
10:00			Break	Break	
10:30			Ferreira	Ren	
11:00			Legatiuk	Gentili	
11:30			Grigoriev	Bisi	
12:00	12:15 Opening		Break	Break	
13:00	de Hoop		Break	Break	13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip
15:00	Kimsey	Guzman Adan	Vieira	Krauβhar	
15:30	Cerejeiras	Libine	Bernstein	Hu	
16:00	Lavicka	Eelbode	Faustino	Diki	
16:30	Break	Break	Break	Break	
17:00	Colombo	Ryan	Luna-Elizarraras	Morais	
17:30	Eriksson	Pinton	Tellez Sanchez	Moreira	
18:00	Mertens	Abreu Blaya	Vajiac	di Teodoro	
18:30	De Zayas	Ariza Garcia	Nolder		

Session 15 Recent Progress in Evolution Equations

Organizers: Marcello D'Abbicco and Marcelo Rempel Ebert

	Monday	Tuesday	Wednesday	Thursday	Friday
10:30	Hirosawa	Georgiev	Faminskii		
11:00	Chen	Pham Trieu	Kubo		
11:30	Break	Dao	Lin		
12:00	12:15 Opening	Break	Break		
13:00	de Hoop	Break	Break		13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip
15:00				Cappiello	Gobbino
15:30				Ascanelli	Lucente
16:00				da Silva	Charao
16:30				Break	
17:00				Picon	
17:30				Girardi	
18:00				Arias	

Session 16 Wavelet theory and its Related Topics

Organizers: Keiko Fujita and Akira Morimoto

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30				Aihara	Morimoto
9:00				K. Fujita	Ashino
9:30				Mandai	M. Fujita
10:00				Break	Break
10:30				Dades	Machigashira
11:00				Li	Aremua
11:30				Suzuki	Break
12:00	12:15 Opening			Break	Break
13:00	de Hoop			Break	13:30 Closing
14:00	De Philippis	Kaltenbacher	Kuijlaars	Jaffard	Seip