Faculty of Mathematics		
Name and Surname	**Organizational Unit**	**Keywords connected to research interests**
Andrea Švob	Division of Discrete Mathematics	Combinatorial design; graph; error-correcting code; finite group; finite geometries
Marija Maksimović	Division of Discrete Mathematics	Strongly regular graphs; orbit matrices; combinatorial designs; distance-biregular graphs
Marijana Butorac	Division of Algebra and Number Theory	Principal subspaces, affine Lie algebras, Rogers-Ramanujan identities, combinatorial bases
Sanja Rukavina	Division of Discrete Mathematics	Incidence structures, combinatorial designs, graph theory, automorphism group, linear codes

SCIENTIFIC SUPERVISOR	
Name and Surname	Associate Professor Andrea Švob
UNIRI Faculty	Faculty of Mathematics
Organisational Unit / Research Group	Division of Discrete Mathematics
Research Team (Members)	Dean Crnković Doris Dumičić Danilović
Research Interests	Combinatorial structures – designs, graphs, error-correcting codes, group action on combinatorial structures
Key words (max. 5) connected to your research interests	Combinatorial design; graph; error-correcting code; finite group; finite geometries
EU-funded project experience	-
Scientific panel	Mathematics
ORCID (link)	https://orcid.org/0000-0001-6558-5167
Personal or Research Team's Website	https://www.math.uniri.hr/~asvob/
Contact e-mail	asvob@math.uniri.hr

SCIENTIFIC SUPERVISOR	
Name and Surname	Associate Professor Marija Maksimović
UNIRI Faculty	Faculty of Mathematics
Organisational Unit / Research Group	Division of Discrete Mathematics
Research Team (Members)	Sanja Rukavina, Blas Fernandez
Research Interests	Strongly regular graphs, distance-biregular graphs, combinatorial designs, codes
Keywords (max. 5) connected to your research interests:	Strongly regular graphs; orbit matrices; combinatorial designs; distance-biregular graphs
EU-funded project experience	-
Scientific panel	Mathematics
ORCID (link):	https://orcid.org/my-orcid?orcid=0000-0002-8094-3724
Personal or Research Team's Website	https://portal.uniri.hr/portfelj/492
Contact e-mail	mmaksimovic@math.uniri.hr

SCIENTIFIC SUPERVISOR	
Name and Surname	Associate Professor Marijana Butorac
UNIRI Faculty	Faculty of Mathematics
Organisational Unit / Research Group	Division of Algebra and Number Theory
Research Team	-
Research Interests	Research interests lie in the interconnected areas of algebra and combinatorics. Specifically, topics offered to MSCA postdocs will be related to the construction of Rogers-Ramanujan type combinatorial bases of highest weight modules and their subspaces associated to the infinite dimensional Lie algebras by using the theory of vertex operator algebras.
Keywords (max. 5) connected to your research interests	Principal subspaces, affine Lie algebras, Rogers-Ramanujan identities, combinatorial bases
EU-funded project experience	-
Scientific panel	Mathematics
Personal or Research Team's Website	UNIRI | Marijana Butorac
Contact e-mail	mbutorac@math.uniri.hr

SCIENTIFIC SUPERVISOR	
Name and Surname	Professor Sanja Rukavina
UNIRI Faculty	Faculty of Mathematics
Organisational Unit / Research Group	Division of Discrete Mathematics
Research Team	Extremal codes: Dr. Sara Ban, assistant prof., UNIRI Dr. Matteo Mravić, UNIRI Distance-biregular graphs, combinatorial designs: Dr. Marija Maksimović, associate prof, UNIRI
Research Interests	My main research interests are in the areas of design theory, graph theory and coding theory, including the interplay between these areas and their connections to algebra, finite geometries, and other areas of mathematics. Some topics I am currently working on are the classification of 2-designs with presumed automorphism group, the construction of (near-)extremal codes over a finite field or Z_2k, and the characterization of distance-biregular graphs as incidence graphs of combinatorial designs.
Keywords (max. 5) connected to your research interests	Incidence structures, combinatorial designs, graph theory, automorphism group, linear codes
EU-funded project experience	Last 5 years: • ESF project: Strategic Internationalisation of Graduate Studies in Mathematics and Biotechnology – OPTILIFE, 2018 – 2021, project manager at the institution • Erasmus+ project, Enactive Learning in Mathematics at Home, 2021 – 2023, project manager at the institution • Erasmus+ project, DiToM – Diagnostic Tools in Mathematics, 2023 – 2025, associate
Scientific panel	Mathematics
ORCID (link)	Sanja Rukavina (0000-0003-3365-7925) - ORCID
Personal or Research Team's Website	Sanja Rukavina personal web page (uniri.hr) Sanja Rukavina – Fakultet za matematiku (uniri.hr)
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