



**Czech Academy  
of Sciences**

# **Report of the I. phase of the Evaluation of the research and professional activity of research-oriented institutes of the Czech Academy of Sciences for the period 2015-2019**

**FIELD: MECHANICAL ENGINEERING**

**INSTITUTE: Institute of Thermomechanics of the CAS, v. v. i.**

**TEAM: D3 – Dynamics and Vibration**

## Profiles for teams

FIELD: MECHANICAL ENGINEERING

INSTITUTE: Institute of Thermomechanics of the CAS, v. v. i.

TEAM: D3 – Dynamics and Vibration

EVALUATED OUTPUTS: 29 FC= 18,70  $N_{rp}$ = 17

HEAD: Ing. Luděk Pešek, CSc.

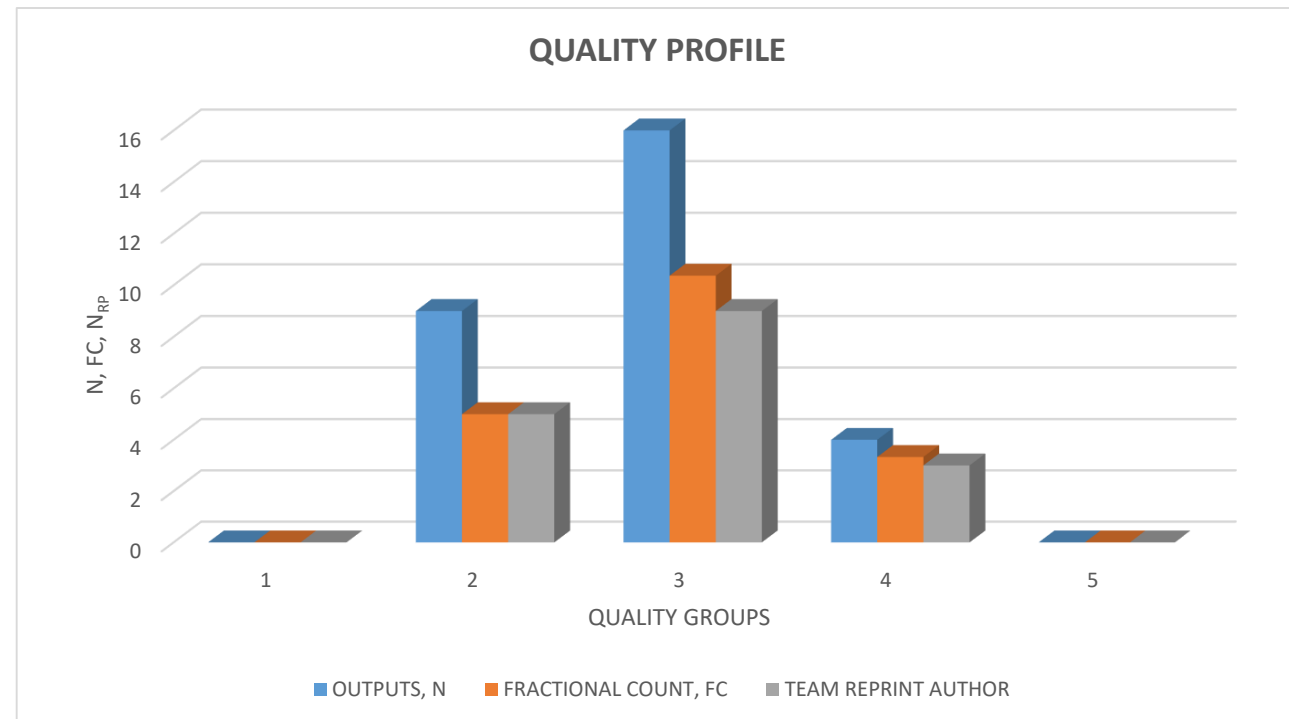
### QUALITY GROUPS OF OUTPUTS

QUALITY	1	2	3	4	5
OUTPUTS, N	0	9	16	4	0
FRACTIONAL COUNT, FC	0	5	10,37	3,33	0
TEAM REPRINT AUTHOR, $N_{rp}$	0	5	9	3	0

Average rating of team: 2,83

FC is the fractional count calculated in a similar way as in Nature Index ( $FC=a/b$ , where a is the number of authors of the team and b is the total number of authors),  $FC_{1,2}$  is fractional count for grading levels 1 and 2.  $N_{rp}$  is the number of outputs with reprint author from the team,  $N_{rp,1,2}$  is the number of outputs with own reprint author for grading levels 1 and 2.

Number of outputs (N) will be alternatively shown with fractional count, FC, where possible. This information is important for those fields of science where affiliation of reprint autor does not represent relevant information.



## Types of collaboration and subfields of teams

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Quality Levels and Types of Collaboration					
Type of Collaboration	1	2	3	4	5
A1			5	3	
B		2	4	1	
B1		4	1		
C		1			
C1		1	3		
D					
D1					
E					
n.a.		1	3		
Without affiliation					
A1+B1+C1+D1		5	9	3	
B+C+D		3	4	1	

Quality Levels and Subfields Structure of Outputs					
Field of Structure of Outputs	1	2	3	4	5
Acoustics		3		3	
Audiology Speech Language Pathology			1		
Biophysics		1			
Computer Science Interdisciplinary Applications		1	2		
Computer Science Software Engineering		1	1		
Engineering Biomedical		2	2		
Engineering Electrical Electronic			3	1	
Engineering Mechanical		5			
Engineering Multidisciplinary		1	2		
Instruments Instrumentation			3	1	
Mathematical Computational Biology			1		
Mathematics Applied			3		
Mathematics Interdisciplinary Applications			2		
Medical Informatics			1		
Mechanics		5	1		
Multidisciplinary Sciences			1		
n.a.		1	3		
Otorhinolaryngology			1		
Physics Mathematical			1		