MUNI

Annex No. 12 to the MU Directive on Habilitation Procedures and Professor Appointment Procedures

PUBLIC LECTURE EVALUATION

Masaryk University	
Faculty	Faculty of Science
Procedure field	Mathematics – Algebra and Theory of Numbers
Applicant	doc. RNDr. Jan Paseka, CSc.
Lecture date	April 10, 2019
Lecture topic	Quantales and related structures
Persons present (number)	37 (see attached list of attendees)
Designated evaluators (board members)	prof. RNDr. Radan Kučera, DSc. prof. RNDr. Jiří Rosický, DrSc. prof. RNDr. Jan Trlifaj, DSc.

In the beginning of his talk, Jan Paseka explained the definition of a quantale and recalled a few basic examples. Then he briefly described the history of the origins of quantale theory and the development of the theory of quantales and quantale-like structures. He also explained some up-to-date sources of research in this area: theory of operator algebras, many-valued and non-commutative topologies, computer science, and logic. Then he briefly discussed some joint results he had obtained with his collaborators in this area and mentioned some directions for further research.
The talk was adjusted to the audience appropriately, so it seemed that many attendees were able to follow most of the lecture. At the end of the talk Jan Paseka answered a few question and related his answers to corresponding parts of its presentation.

Conclusion

The lecture delivered by Jan Paseka, entitled "Quantales and related structures" and delivered as part of the professor appointment procedure, **demonstrated** sufficient scholarly qualifications and pedagogical capabilities expected of applicants participating in a professor appointment procedure in the field of Mathematics – Algebra and Theory of Numbers.

Date: April 10, 2019

Radan Kučera

Jiří Rosický

Jan Trlifaj