



To whom it may concern:

I first met Jan Kühr in 2004, on the occasion of an international conference in logic. Over the next few years, I had the opportunity to have several research discussions with him and to become familiar with his work in universal algebra and in algebraic logic, most notably on the theory of residuated structures, a research topic that in my opinion is of the uttermost importance for the foundations of algebraic logic, and of logic in general. He also visited more than once my institution, delivering talks at our weekly seminars in logic or in the context of international conferences that I co-organised.

The contribution given by Jan Kühr to the area of residuated structures is excellent, and in many ways a pioneering one. Together with some of his colleagues at the University of Olomouc, most notably Jiri Rachunek, he investigated DrL-monoids, a class of structures which is closely related to residuated lattices. In this context, he developed concepts and obtained results that apply equally well, modulo term equivalence, to residuated lattices (or to their reducts). The importance of these theorems was in some cases acknowledged only after some years, sometimes after that the same results had been independently rediscovered in the more mainstream jargon of residuated lattices.

Jan Kühr, however, is not an isolated left-fielder. His mathematical collaborations include the likes of D. Mundici and C. Tsinakis, and he published many fundamental papers that address the topic of residuation in the now conventionally established terminology and notation of Jipsen-Tsinakis residuated lattices. Noteworthy, for example (among the topics I am more familiar with), is his contribution to Conrad's programme for residuated lattices, a research manifesto whose main goal is to identify properties of residuated lattices that can be described in a purely order-theoretical way via their lattices of convex (not necessarily normal) subalgebras. His outstanding record of publications in the best journals in algebra and in mathematical logic, as well as the depth and importance of his scientific output so far, certify the fact that he reached the professional maturity for a full professorship.

Kühr's mathematical style is very creative in its use of clever constructions, technically engaging and very precise. His obvious scientific competence marks a pleasant contrast with his humble and unassuming personal behaviour, a trait that makes him an agreeable person to discuss and to work with.

For the above reasons, I am definitely and wholeheartedly recommending him for the position he is applying for.

Yours truly,

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