## Supervisor's recommendation

Author: **Ing. Mona Heidari**

Faculty of Information Technology, Brno University of Technology

Title: **Connection of Algorithms for Removal of Influence of Skin Diseases on the Process for Fingerprint Recognition**

Supervisor: **Prof. Ing., Dipl.-Ing. Martin Drahanský, Ph.D.**

In 2016, Mona reached out to me after coming across my published works. Intrigued by a specific research topic I had previously explored, she expressed a deep fascination and sought to clarify the subject's scope. It was crucial for her to ensure that her understanding aligned with the requirements of the research, and fortunately, it did. Impressed by her enthusiasm and dedication, Mona successfully completed the admission process and was welcomed as a member of the STRaDe research group at FIT BUT, where she embarked on her Ph.D. journey.

Mona's passion led her to choose a research topic that was unique, with no existing publications in that particular area. She aimed to explore the intersection of health and computer science, an exciting convergence that perfectly aligned with her interests. As she delved further into her work, it became evident that a comprehensive examination of diseases manifested in fingerprints was crucial. In order to delve into this area of research, Mona immersed herself in studying numerous medical articles, gradually developing an extensive understanding of the diseases and their impact on fingerprints. In this area, she overtook the collaboration with the 1st Dermatovenerology clinic in the St. Anne's University Hospital Brno, where she organized data collection together with medical doctors. With this initiative, she expanded the original database with diseased fingerprints.

In addition to her dedicated research endeavors, Mona actively participated in various research events, such as the EAB (*European Association for Biometrics*), where she had the opportunity to present her research findings. Her contributions didn't end there, as she also published an article in a journal and made significant contributions as a co-author to chapters in the book "Hand-Based Biometrics: Methods and Technology." These accomplishments showcased Mona's commitment to advancing the field and her willingness to share her expertise with others.

In conclusion, I recommend Mona's dissertation thesis for defense and to award her a Ph.D. title.

In Brno on 2023-MAY-16