



SUPERVISOR EVALUATION

Diploma thesis

Thesis title: **INVESTIGATION OF THE PARTICLE MOVEMENT
IN ROTARY KILN**

Author: **JOSE RENATO RONZÓN TIRADO**

Supervisor: **Skočilas Jan, Ing., Ph.D.**

Reviewer: **Ing. Karel Petera, Ph.D.**

Author elaborated diploma thesis within range of 84 pages and 4 appendix (146 pages total), containing 74 figures. 14 literature sources were used for literature search.

The thesis deals with analysis of the particle motion simulation in the rotary kiln.

The student's approach was active and responsible. He worked predominantly independently. The most time consuming part was CFD simulations and post-processing.

The benefit of this work is mainly methodology of particle motion models creation with relevant results in software ANSYS Fluent.

Author acquired new theoretical and practical experiences and knowledge in the field of modelling of particles motion by FVM method.

Mr. Ronzón fulfilled all aims of the submission. I evaluated him by grade

A (excellent)

In Prague, 28. 8. 2018

Ing. Jan Skočilas, Ph.D. v. r.