I. IDENTIFICATION DATA

Thesis name:	**3D human model reconstruction and automatic rigging from a monocular video**
Author's name:	**David Otgonsuren Rico**
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Computer Science
Thesis supervisor:	Davide Castellucci
Supervisor's department:	

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment   **A**
Evaluation of thesis difficulty of assignment.

The thesis presented a challenging and innovative task of generating high-fidelity 3D animatable human models from monocular video, indicating a high difficulty level.

Satisfaction of assignment   **A**
Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.

The thesis successfully met the assignment's primary objective of 3D animatable human generation. Further exploration in mesh reconstruction, foreground masking and rigging might enhance the results.

Activity and independence when creating final thesis   **A**
Assess that student had positive approach, time limits were met, conception was regularly consulted and was well prepared for consultations. Assess student's ability to work independently.

The student demonstrated a proactive approach, adhered to deadlines, and regularly consulted on the project's conception, showing commendable independence.

Technical level   **A**
Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.

The thesis showcased a strong foundation, leveraging advanced cutting-edge technologies. The student acquired a strong theoretical and technical understanding of the research field and of the frameworks.

Formal and language level, scope of thesis   **B**
Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.

The thesis is well-structured and articulate, with minor typographical errors. The formal notation and language use are generally correct and precise.

Selection of sources, citation correctness   **A**
Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.

The student selected highly relevant and current sources, ensuring thorough citations. All references are correctly distinguished from original work, adhering to citation standards.

Additional commentary and evaluation

Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.
The thesis achieved significant advancements in 3D human model generation. The integration of rigging into the pipeline adds practical value for VR and animation applications.

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation.

The primary goals of the thesis were achieved to a high standard. The theoretical results demonstrate a significant contribution to the field of 3D human modeling from video, and the technical implementation showcases the student's capability to develop a functional and innovative pipeline. The experimental work was handled with dexterity, and the overall presentation reflects a deep understanding of the subject matter. This research has potential for impactful applications in virtual reality and animation, marking a successful culmination of the student's efforts.

I evaluate handed thesis with classification grade **A**

Date: **10.06.2024**　　　　　　　　Signature: