

# **MINIMUM QUANTIFIED CRITERIA FOR OBTAINING THE TITLE OF ASSOCIATE PROFESSOR (HP) AND FOR OBTAINING THE TITLE OF PROFESSOR (IP) AT FŠT TNUAD IN TRENČÍN**

## **CONTENT OF THE FIELD OF HP AND IP**

*The content of the field of HP and IP is focused on engineering technologies of welding, casting, forming, machining, surface treatment as well as modern additive technologies. In terms of materials, research is focused mainly on metallic materials, ceramics, composites, but polymer materials, important for the automotive industry, as well as multifunctional smart materials, usable as actuators, sensors, vibration dampers, structural stabilizers, etc., are no exception.*

*Their mechanical, physical, technological, and chemical properties and their degradation behaviour under different operating conditions are investigated. Computer support, simulation models, including the finite element method regarding the prediction of service life and reliability of technical systems are also used in solving scientific tasks.*

*The field of HP and IP Engineering Technologies and Materials includes innovative approaches in engineering technologies, research and development of advanced strategies and procedures and their implementation into conventional technologies. In the case of additive technologies, it is mainly research and development of new techniques, research and increase of mechanical, chemical, and utility properties of products and development of new materials for additive technologies.*

## **GENERAL REQUIREMENTS FOR APPLICANTS FOR THE HABILITATION PROCEDURE:**

- a) third-level university education;*
- b) current scientific and pedagogical activity in the field of habilitation procedure and inauguration procedure;*
- c) experience and results in performing tasks in the field of higher education in the scope, structure, and quality corresponding to international customs and peculiarities in the field of habilitation and inauguration proceedings, in particular: conducting lectures from selected chapters, seminars and exercises, student evaluation, leading and opposing final theses, creation of study materials, consultations for students, arranging excursions and professional internships for students, etc .;*
- d) practice and results in the field of creative activities, in particular: participation in research, development or other creative activity of the workplace and publication of its results in the form of scientific works or other creative outputs in number, structure, scope, intensity, degree of authorial contribution and quality corresponding international customs and peculiarities in the field of habilitation and inauguration proceedings;*
- e) proof that the applicant is recognized as a scientific person in professional circles in the field of habilitation and inauguration proceedings, in particular proof of responses to published scientific works or other creative outputs in number, structure and other attributes corresponding to international customs and peculiarities of habilitation and inauguration proceedings. Self-citations are excluded.*

**GENERAL REQUIREMENTS FOR APPLICANTS FOR THE INAUGURATION PROCEDURE:**

- a) previous acquisition of the scientific-pedagogical title of "associate professor";
- b) current scientific and pedagogical activity in the field of habilitation procedure and inauguration procedure;
- c) experience and results in performing tasks in the field of higher education in the scope, intensity, structure, and quality corresponding to international customs and peculiarities in the field of habilitation and inauguration proceedings, in particular: conducting lectures, exercises and seminars, evaluation of students, including examinations at state exams, conducting, and opposing final theses, creation of study materials;
- d) practice and results in the field of creative activities, in particular: leading research teams, organizing scientific events, carrying out research, development or other creative activities of the workplace and publishing its results in the form of scientific works or other creative outputs in number, structure, scope, intensity, the degree of copyright contribution and the quality corresponding to international customs and peculiarities in the field of habilitation and inauguration proceedings;
- e) demonstration that the applicant is a recognized scientific personality in the field of habilitation and inauguration proceedings and his scientific work has also achieved international recognition, in particular demonstration of responses to published scientific works or other creative outputs in number, structure and other attributes corresponding to the international customs and peculiarities of the field of habilitation and inauguration proceedings, while responses from abroad are also required. Self-citations are excluded.

**The criteria for obtaining the title of associate professor and the title of professor are quantified by the system of assigning the number of points for each activity. Within activities I to IV, the minimum number of points required to fulfill the conditions for the habilitation procedure and the inaugural procedure is determined.**

**Specific quantified criteria for obtaining the title of associate professor and the title of professor**

<b>Activity</b>		<b>Points</b>	
<b>I.</b>	<b>Pedagogical activity</b>	<b>Habilitation proceeding</b>	<b>Inauguration proceeding</b>
1	* Length of pedagogical practice at least 6 semesters after completing the doctoral study; ** The condition for obtaining the title of associate professor applies to IP at least 3 years after successful completion of HP.	*4	**4
2	* Conducting lectures from selected chapters, seminars and exercises, student evaluation. ** Conducting lectures on profile subjects (minimum 2 hours per week and semester), student evaluation.	*2	**4
3	University textbook (minimum 3 AS / author, published by a non-university technical / pedagogical publisher).	15	15
4	University scripts or other textbooks.	*3	**3
5	Training of at least 5 bachelors and / or graduates (supervision of final theses).	*5	**5
6	Opponent's report on the bachelor's or master's thesis	*1	**1

7	<i>Doctoral student training (after successful defence of the dissertation thesis).</i>	-	**2 <sup>10</sup>
8	<i>Training of an active doctoral student (after completing the dissertation exam).</i>	-	5
9	<i>Other pedagogical activities (Erasmus+ lecture stay at a foreign university, textbook reviews, introduction of a new subject, dissertation consultant, lectures for practice ...)</i>	<sup>1</sup> 2	<sup>1</sup> 2
10	<i>Other educational professional book or electronic publication (minimum 3 AS / author).</i>	<sup>1</sup> 3	<sup>1</sup> 3
	<b>Obligation to obtain a minimum number of points</b>	<b>17</b>	<b>30</b>
<b>II.</b>	<b>Scientific research and publishing activities</b>		
1	<i>Scientific monograph, published by a foreign publisher (minimum 3 AS / author).</i>	<sup>1</sup> 18	<sup>1</sup> 18
2	<i>Chapter in a monograph, published by a foreign publisher (minimum 1 AS / author).</i>	<sup>1</sup> 4	<sup>1</sup> 4
3	<i>Scientific monograph, published by a domestic publisher (minimum 3 AS / author).</i>	<sup>1</sup> 6	<sup>1</sup> 6
4	<i>Chapter in a monograph, published by a domestic publisher (minimum 1 AS / author).</i>	<sup>1</sup> 2	<sup>1</sup> 2
5	<i>Scientific book publication, published by a foreign publisher (minimum 3 AS / author).</i>	<sup>1</sup> 6	<sup>1</sup> 6
6	<i>Scientific work in journals, indexed in WOS, SCOPUS (the first author gets the full number of points, the other co-authors get 3 points).</i>	*5	**5
7	<i>Scientific work in other foreign and domestic journals (the first author gets the full number of points; the other co-authors get 1 point).</i>	2	2
8	<i>Granted patent (IPC, CPC, JPO).</i>	10	10
9	<i>Implemented patent and its scientific or social significance for the field of mechanical engineering.</i>	30	30
10	<i>Granted utility model (according to IPC).</i>	5	5
11	<i>Implemented utility model and its scientific or social significance for the field of mechanical engineering.</i>	15	15
12	<i>Paper in the proceedings of an international scientific conference, indexed in WOS, SCOPUS (the first author gets the full number of points, the other co-authors get 1 point).</i>	2	2
13	<i>Research internship abroad (minimum 3 months)</i>	5	5
14	<i>Other research activity (e.g., research reports for industry ...)</i>	0,5	0,5
	<b>Obligation to obtain a minimum number of points</b>	<b>30</b>	<b>46</b>
<b>III.</b>	<b>Recognition by the scientific community</b>		
1	<i>At least 1 written reference to the results of the applicant from the faculty / university outside TnUAD</i>	*	
2	<i>At least 3 written references to the results of the applicant from 3 different countries outside the Slovak Republic</i>		**

3	<i>Citation in WOS / SCOPUS without self-citations</i>	*3	**3
4	<i>Membership in the editorial board of the WOS / SCOPUS Journal</i>	10	10
5	<i>Peer Review for WOS / SCOPUS Journal</i>	1	**1
6	<i>Invited lecture at an international scientific conference</i>	5	5
7	<i>Invited lecture at the national scientific conference</i>	1	1
8	<i>Chairman of the international conference</i>	9	9
9	<i>Chairman of the national conference</i>	3	3
10	<i>Awarded by a prestigious international scientific or technical organization (e.g., for engineering, contribution in science and technology ...)</i>	20	20
11	<i>Awarded by a prestigious national scientific or technical organization (e.g., for engineering, contribution in science and technology ...)</i>	7	7
12	<i>Opponent's report on the dissertation thesis</i>	-	1
13	<i>Opponent's report on the habilitation thesis or inauguration proceeding for the title of professor</i>	-	3
	<b>Obligation to obtain a minimum number of points</b>	<b>25</b>	<b>52</b>
<b>IV.</b>	<b>Grant success and contract research</b>		
1	<i>Responsible researcher, researcher of a foreign or national research project (Points are awarded for every € 1,000 raised, all funds received for projects are added up and rounded down to the nearest thousand euros.)</i>	* <sup>3</sup> 0,5	** <sup>3</sup> 0,5
2	<i>Responsible researcher for contract research, researcher of contract research (points are awarded for every € 1,000 raised, all funds received for projects are added up and rounded down to the nearest thousand euros.)</i>	<sup>3</sup> 0,5	<sup>3</sup> 0,5
	<b>Obligation to obtain a minimum number of points</b>	<b>30</b>	<b>60</b>

Note \* Compulsory activity for HP

\*\* Compulsory activity for IP

<sup>1</sup> A defined number of points is counted for each required number of AH; in activity I.9, 2 points are counted for each mentioned pedagogical activity.

<sup>2</sup> If the applicant has only one trained doctoral student, the fulfilment of Part I.8 is also obligatory.

<sup>3</sup> If the applicant did not participate in the project during the whole period of its solution, only a proportional part of the points is counted depending on the time of his work in the project in months.

Details on the categories of outputs of publishing activities are given by Decree no. 397 MŠVVaŠ SR on the central register of records of publishing activities and the central register of records of artistic activities.