



**POLITECNICO
DI TORINO**

Selection procedure for Full professors (professori di I fascia) at Politecnico di Torino, in accordance with article n.18, paragraph n.1, Italian law 240/2010

Rector's Decree 124 of February 12th 2018

Academic Recruitment Field 08/A2 Sanitary and Environmental Engineering, Hydrocarbons and Underground Fluids, Safety and Protection Engineering

Internal Code 02/18/P/O

Activity Summary Report



Selection procedure for Full professors (professori di I fascia) at Politecnico di Torino, in accordance with article n.18, paragraph n.1, Italian law 240/2010

Rector's Decree 124 of February 12th 2018

Academic Recruitment Field 08/A2 Sanitary and Environmental Engineering, Hydrocarbons and Underground Fluids, Safety and Protection Engineering

Internal Code 02/18/P/O

The Judging Commission gathers to participate in the meeting at 16.00 on 19th June 2019 at the room b - of the Rectorate of the Politecnico di Torino – located in Corso Duca degli Abruzzi, 24, Torino, in relation to the selection procedure to cover two positions for Full professors (professori di I fascia), Academic Recruitment Field 08/A2 Sanitary and Environmental Engineering, Hydrocarbons and Underground Fluids, Safety and Protection Engineering, Internal Code 02/18/P/O in accordance with article n. 18, paragraph n. 1, Italian law 240/2010.

The Commission, appointed by decree of the Rector n. 33, January 25th 2019 is composed as follows:

Surname and Name	Position	Institution
ANAGNOSTOU Georgios	Full Professor	ETH Zurich
ANDREOTTOLA Gianni	Full Professor	Università degli Studi di Trento
GALLER Robert	Full Professor	Montanuniversität Leoben
GRINGARTEN Alain	Full Professor	Imperial College London
ROSSEN William	Full Professor	TU Delft

All members of the Commission are taking part in the meeting. Prof. GALLER Robert participates in the meeting through the online procedure at the Department Zentrum am Berg, University of Montanuniversität Leoben, Austria

The Commission gathers in the following days:

- Definition of the evaluation criteria: from 16.00 to 21.40 on 16th April 2019 through the online procedure (annex A minutes 1)
- Expression of the Synthetic individual and joint judgments, organisation of the seminar open to faculty members: from 16.00 to 22.30 on 29th May 2019; from 9.00 to 12.15 on 30th May 2019 (through the online procedure). The Commission receives the communication from the Head of the Selection Office that prof. Marilena CARDU withdrew from the selection procedure. (annexes A and B minutes 2)
- Seminar open to the faculty member: from 11.15 to 13.00 on 19th June 2019 at the Department of DIATI - Politecnico di Torino, Aula Bibolini – located in Corso Duca degli Abruzzi, 24, Torino; Prof. GALLER Robert, participates in the meeting through online procedure
The Commission receives the communication from the Head of the Selection Office that prof. Massimo ROLLE withdrew from the selection procedure (minutes 3).

The following candidates participated in the seminar.

Candidate
PEILA Daniele
RIZZO Luigi
VERGA Francesca



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- Expression of the Synthetic individual and joint judgments on the seminar open to faculty members from 13.00 to 15.50 on 19th June 2019 at the room b - of the Rectorate of the Politecnico di Torino – located in Corso Duca degli Abruzzi, 24, Torino; Prof GALLER Robert, participates in the meeting through online procedure. (Annexes A and B - minutes 3)
 - Final joint Report – selection of the most qualified candidate: from 15.50 to 16.10 on 19th June 2019 at the room b - of the Rectorate of the Politecnico di Torino – located in Corso Duca degli Abruzzi, 24, Torino; Prof. GALLER Robert, participates in the meeting through online procedure. (Annex A minutes 4)

The Commission drafts a final joint report and on the basis of the defined criteria and the synthetic individual and joint judgments ascribed below, proposes to identify Prof. Daniele PEILA and Prof. Francesca VERGA the most qualified candidates expressed by the majority of the Commission members to cover 2 positions for Full Professor, in accordance with article n. 18, paragraph 1, of the Italian law 240/2010.

At the end of the procedure, the Commission closed the session officially at 16.20 According to art. 16, in order to verify the regularity of the acts, the Commission provides the Rector with all related documents together with this summary activity report, the hard copy of the meetings' minutes duly signed and the declarations shared by all members of the Commission for all meetings in which they participated through the online procedure, where and if they are required.

This summary activity report, which includes all synthetic individual and joint judgements, will be published on Polito website, in accordance with art. 8, paragraph 6 of the Rector's decree n. 484/2017 Regolamento di Ateneo per la disciplina della chiamata di Professori di I and II fascia in accordance with article n. 18, paragraph 1, of the Italian law 240/2010.

Read and approved

The Commission:

President	Prof. Gianni ANDREOTTOLA	<i>sgd Prof. Gianni ANDREOTTOLA</i>
Member	Prof. Georgios ANAGNOSTOU	<i>sgd Prof. Georgios ANAGNOSTOU</i>
Member	Prof. Robert GALLER	<i>Meeting through online procedure</i>
Member	Prof. Alain GRINGARTEN	<i>sgd Prof. Alain GRINGARTEN</i>
Member	Prof. William ROSSEN	<i>sgd Prof. William ROSSEN</i>



**POLITECNICO
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Academic Recruitment Field 08/A2 Sanitary and Environmental Engineering, Hydrocarbons and Underground Fluids, Safety and Protection Engineering

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Annex A

Synthetic Individual Judgements
(part of minutes 2)



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Rector's Decree 124 of February 12th 2018

Academic Recruitment Field 08/A2 Sanitary and Environmental Engineering, Hydrocarbons and Underground Fluids, Safety and Protection Engineering

Internal Code 02/18/P/O

Candidate **Daniele PEILA**

Member Prof. **Georgios ANAGNOSTOU**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity <ul style="list-style-type: none"> The three main outcomes/results of the research activity 20 publications submitted Overall Scientific production 	<i>Excellent</i>	<i>Excellent</i>
	<i>Excellent</i>	
	<i>Excellent</i>	
2 - Coordination of research and technical transfer groups and projects;		<i>Excellent</i>
3 - National and international reputation and supporting activity for the scientific community;		<i>Excellent</i>
4 – Teaching activity		<i>Excellent</i>
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		<i>Excellent</i>

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT
<i>Excellent</i>



Selection procedure for Full professors (professori di I fascia) at Politecnico di Torino, in accordance with article n.18, paragraph n.1, Italian law 240/2010

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Candidate **Luigi RIZZO**

Member Prof. **Georgios ANAGNOSTOU**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity	<i>Excellent</i>	<i>Excellent</i>
• The three main outcomes/results of the research activity		
• 20 publications submitted	<i>Excellent</i>	
• Overall Scientific production	<i>Excellent</i>	
2 - Coordination of research and technical transfer groups and projects;		<i>Excellent – Very good</i>
3 - National and international reputation and supporting activity for the scientific community;		<i>Excellent – Very good</i>
4 – Teaching activity		<i>Very good</i>
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		<i>Good</i>

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT
<i>Very Good/Excellent</i>



Selection procedure for Full professors (professori di I fascia) at Politecnico di Torino, in accordance with article n.18, paragraph n.1, Italian law 240/2010

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Academic Recruitment Field 08/A2 Sanitary and Environmental Engineering, Hydrocarbons and Underground Fluids, Safety and Protection Engineering

Internal Code 02/18/P/O

Candidate **Massimo ROLLE**

Member Prof. **Georgios ANAGNOSTOU**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity	<i>Very good</i>	<i>Very good</i>
• The three main outcomes/results of the research activity		
• 20 publications submitted	<i>Very good</i>	
• Overall Scientific production	<i>Very good</i>	
2 - Coordination of research and technical transfer groups and projects;		<i>Excellent – Very good</i>
3 - National and international reputation and supporting activity for the scientific community;		<i>Excellent – Very good</i>
4 – Teaching activity		<i>Very good</i>
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		<i>Very good</i>

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT

Very good



Selection procedure for Full professors (professori di I fascia) at Politecnico di Torino, in accordance with article n.18, paragraph n.1, Italian law 240/2010

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Academic Recruitment Field 08/A2 Sanitary and Environmental Engineering, Hydrocarbons and Underground Fluids, Safety and Protection Engineering

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Candidate **Francesca VERGA**

Member Prof. **Georgios ANAGNOSTOU**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity <ul style="list-style-type: none">The three main outcomes/results of the research activity	<i>Good - Very good</i>	<i>Good</i>
<ul style="list-style-type: none">20 publications submitted	<i>Good</i>	
<ul style="list-style-type: none">Overall Scientific production	<i>Good</i>	
2 - Coordination of research and technical transfer groups and projects;		<i>Very good</i>
3 - National and international reputation and supporting activity for the scientific community;		<i>Good</i>
4 – Teaching activity		<i>Excellent</i>
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		<i>Excellent – Very good</i>

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT
<i>Good/Very good</i>



Selection procedure for Full professors (professori di I fascia) at Politecnico di Torino, in accordance with article n.18, paragraph n.1, Italian law 240/2010

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Academic Recruitment Field 08/A2 Sanitary and Environmental Engineering, Hydrocarbons and Underground Fluids, Safety and Protection Engineering

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Candidate **Daniele PEILA**

Member Prof. **Gianni ANDREOTTOLA**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity		Excellent
• The three main outcomes/results of the research activity	Excellent	
• 20 publications submitted	Excellent	
• Overall Scientific production	Excellent	
2 - Coordination of research and technical transfer groups and projects;		Excellent
3 - National and international reputation and supporting activity for the scientific community;		Excellent
4 – Teaching activity		Excellent
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		Excellent

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT
Excellent



Selection procedure for Full professors (professori di I fascia) at Politecnico di Torino, in accordance with article n.18, paragraph n.1, Italian law 240/2010

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Candidate **Luigi RIZZO**

Member Prof. **Gianni ANDREOTTOLA**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity		Excellent
• The three main outcomes/results of the research activity	Excellent	
• 20 publications submitted	Excellent	
• Overall Scientific production	Excellent	
2 - Coordination of research and technical transfer groups and projects;		Very good
3 - National and international reputation and supporting activity for the scientific community;		Excellent
4 – Teaching activity		Very Good
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		Very Good

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT
Very Good/Excellent



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Candidate **Massimo ROLLE**

Member Prof. **Gianni ANDREOTTOLA**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity		Excellent
• The three main outcomes/results of the research activity	Excellent	
• 20 publications submitted	Excellent	
• Overall Scientific production	Excellent	
2 - Coordination of research and technical transfer groups and projects;		Excellent
3 - National and international reputation and supporting activity for the scientific community;		Excellent
4 – Teaching activity		Very Good
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		Excellent

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT
Excellent



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Candidate **Francesca VERGA**

Member Prof. **Gianni ANDREOTTOLA**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity		Very good
• The three main outcomes/results of the research activity	<i>Very good</i>	
• 20 publications submitted	<i>Very good</i>	
• Overall Scientific production	<i>Very good</i>	
2 - Coordination of research and technical transfer groups and projects;		Very good
3 - National and international reputation and supporting activity for the scientific community;		Very good
4 – Teaching activity		Excellent
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		Excellent

OVERALL SYNTETIC INDIVIDUAL JUDGEMENT
Very good/Excellent



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Candidate **Daniele PEILA**

Member Prof. **Robert GALLER**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity		Excellent
• The three main outcomes/results of the research activity	Excellent	
• 20 publications submitted	Excellent	
• Overall Scientific production	Excellent	
2 - Coordination of research and technical transfer groups and projects;		Excellent
3 - National and international reputation and supporting activity for the scientific community;		Excellent
4 – Teaching activity		Excellent
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		Excellent

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT
Excellent



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Candidate **Luigi RIZZO**

Member Prof. **Robert GALLER**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity		Very good
• The three main outcomes/results of the research activity	Good	
• 20 publications submitted	Very good	
• Overall Scientific production	Very good	
2 - Coordination of research and technical transfer groups and projects;		Very good
3 - National and international reputation and supporting activity for the scientific community;		Very good
4 – Teaching activity		Very good
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		Very good

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT
Very good



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Candidate **Massimo ROLLE**

Member Prof. **Robert GALLER**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity	<i>Very good</i>	<i>Excellent</i>
• The three main outcomes/results of the research activity		
• 20 publications submitted	<i>Excellent</i>	
• Overall Scientific production	<i>Excellent</i>	
2 - Coordination of research and technical transfer groups and projects;		<i>Excellent</i>
3 - National and international reputation and supporting activity for the scientific community;		<i>Excellent</i>
4 – Teaching activity		<i>Very good</i>
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		<i>Excellent</i>

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT
<i>Excellent</i>



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Candidate **Francesca VERGA**

Member Prof. **Robert GALLER**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity	<i>Very good</i>	<i>Very good</i>
• The three main outcomes/results of the research activity		
• 20 publications submitted	<i>Very good</i>	
• Overall Scientific production	<i>Very good</i>	
2 - Coordination of research and technical transfer groups and projects;		<i>Very good</i>
3 - National and international reputation and supporting activity for the scientific community;		<i>Excellent</i>
4 – Teaching activity		<i>Excellent</i>
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		<i>Excellent</i>

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT
<i>Very Good/Excellent</i>



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Candidate **Daniele PEILA**

Member Prof. **Alain GRINGARTEN**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity		Excellent
• The three main outcomes/results of the research activity	Excellent	
• 20 publications submitted	Excellent	
• Overall Scientific production	Excellent	
2 - Coordination of research and technical transfer groups and projects;		Excellent
3 - National and international reputation and supporting activity for the scientific community;		Very Good
4 – Teaching activity		Very Good
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		Excellent

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT
Very Good/Excellent



Selection procedure for Full professors (professori di I fascia) at Politecnico di Torino, in accordance with article n.18, paragraph n.1, Italian law 240/2010

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Candidate **Luigi RIZZO**

Member Prof. **Alain GRINGARTEN**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity	<i>Very Good</i>	<i>Very Good</i>
• The three main outcomes/results of the research activity		
• 20 publications submitted	<i>Very Good</i>	
• Overall Scientific production	<i>Very Good</i>	
2 - Coordination of research and technical transfer groups and projects;		<i>Very Good</i>
3 - National and international reputation and supporting activity for the scientific community;		<i>Very Good</i>
4 – Teaching activity		<i>Very Good</i>
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		<i>Very Good</i>

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT

<i>Very Good</i>



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Candidate **Massimo ROLLE**

Member Prof. **Alain GRINGARTEN**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity		Excellent
• The three main outcomes/results of the research activity	Excellent	
• 20 publications submitted	Excellent	
• Overall Scientific production	Excellent	
2 - Coordination of research and technical transfer groups and projects;		Very Good
3 - National and international reputation and supporting activity for the scientific community;		Excellent
4 – Teaching activity		Very Good
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		Very Good

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT

Very Good/Excellent



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Candidate **Francesca VERGA**

Member Prof. **Alain GRINGARTEN**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity	<i>Very Good</i>	<i>Very Good</i>
• The three main outcomes/results of the research activity		
• 20 publications submitted	<i>Very Good</i>	
• Overall Scientific production	<i>Very Good</i>	
2 - Coordination of research and technical transfer groups and projects;		<i>Very Good</i>
3 - National and international reputation and supporting activity for the scientific community;		<i>Excellent</i>
4 – Teaching activity		<i>Excellent</i>
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		<i>Excellent</i>

OVERALL SYNTETIC INDIVIDUAL JUDGEMENT
<i>Very Good/Excellent</i>



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Candidate **Daniele PEILA**

Member Prof. **William R. ROSSEN**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity	<i>Excellent</i>	<i>Excellent</i>
• The three main outcomes/results of the research activity		
• 20 publications submitted	<i>Excellent</i>	
• Overall Scientific production	<i>Excellent</i>	
2 - Coordination of research and technical transfer groups and projects;		<i>Excellent</i>
3 - National and international reputation and supporting activity for the scientific community;		<i>Very good</i>
4 – Teaching activity		<i>Good</i>
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		<i>Excellent</i>

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT

Very Good/Excellent



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Candidate **L. RIZZO**

Member Prof. **William R. ROSSEN**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity	<i>Very good</i>	<i>Very good</i>
• The three main outcomes/results of the research activity		
• 20 publications submitted	<i>Very good</i>	
• Overall Scientific production	<i>Very good</i>	
2 - Coordination of research and technical transfer groups and projects;		<i>Very good</i>
3 - National and international reputation and supporting activity for the scientific community;		<i>Excellent</i>
4 – Teaching activity		<i>Good</i>
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		<i>Good</i>

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT

Very Good



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Candidate **Massimo ROLLE**

Member Prof. **William R. ROSSEN**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity	<i>Excellent</i>	<i>Excellent</i>
• The three main outcomes/results of the research activity		
• 20 publications submitted	<i>Excellent</i>	
• Overall Scientific production	<i>Excellent</i>	
2 - Coordination of research and technical transfer groups and projects;		<i>Very good</i>
3 - National and international reputation and supporting activity for the scientific community;		<i>Excellent</i>
4 – Teaching activity		<i>Excellent</i>
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		<i>Very good</i>

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT

<i>Excellent</i>



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Candidate **Francesca VERGA**

Member Prof. **William R. ROSSEN**

Academic Evaluation Field		SYNTHETIC INDIVIDUAL JUDGEMENT
1 - Scientific Activity <ul style="list-style-type: none">The three main outcomes/results of the research activity	<i>Very good</i>	<i>Very good</i>
<ul style="list-style-type: none">20 publications submitted	<i>Very good</i>	
<ul style="list-style-type: none">Overall Scientific production	<i>Very good</i>	
2 - Coordination of research and technical transfer groups and projects;		<i>Very good</i>
3 - National and international reputation and supporting activity for the scientific community;		<i>Very good</i>
4 – Teaching activity		<i>Good</i>
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.		<i>Excellent</i>

OVERALL SYNTETHIC INDIVIDUAL JUDGEMENT
<i>Very good</i>



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Annex B

Joint Judgements
(part of minutes 2)



Selection procedure for Full professors (professori di I fascia) at Politecnico di Torino, in accordance with article n.18, paragraph n.1, Italian law 240/2010

Rector's Decree 124 of February 12th 2018

Academic Recruitment Field 08/A2 Sanitary and Environmental Engineering, Hydrocarbons and Underground Fluids, Safety and Protection Engineering

Internal Code 02/18/P/O

Candidate PEILA Daniele

Academic Evaluation Field	Joint Judgment
<p>1 - Scientific Activity</p> <ul style="list-style-type: none"> • The three main outcomes/results of the research activity • 20 publications submitted • Overall Scientific production 	<p>Excellent</p> <p><i>The research activity of the candidate deals with tunnelling and underground works; rock fall protection, quarries and underground mining.</i></p> <p><i>According to international referees, the candidate is a top international scientist in the field of tunnel science and engineering.</i></p> <p><i>The 3 products presented by the candidate consist of publications in journals that rank in the Q1 quartile of the Scopus/WoS databases. 1 publication has a single author; 2 publications have several authors, whose contribution is considered equal. The examination of the publications has highlighted the originality of the contents.</i></p> <p><i>The judgement of the Commission is excellent.</i></p> <p><i>The candidate has presented 20 publications, all consistent with the issues of the competition sector; they all have several authors, whose contribution is considered equal. The presented works stand out for originality and rigor in the methodological approach.</i></p> <p><i>The judgement of the Commission is excellent.</i></p> <p><i>The candidate has a overall scientific production, registered in Scopus of 79 articles published in journals, 60 of which produced in the last 10 years.</i></p> <p><i>The spread and impact of the entire scientific production is excellent. He has a very considerable number of citations in the last 15 years.. His H-index is 18 (Scopus), as declared by the candidate, at the date of 28th March 2018.</i></p> <p><i>The scientific production in the last ten years denotes continuity in the activity carried out by the candidate.</i></p> <p><i>The judgement of the four referees is excellent.</i></p> <p><i>The judgement of the Commission is excellent.</i></p> <p>Partial ascribed score/value 38 (max 40 scores to be ascribed)</p>



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<p>2 - Coordination of research and technical transfer groups and projects;</p>	<p>Excellent</p> <p><i>The candidate has been principal investigator and the person in charge of the Research Units of competitive projects (two PRIN projects, 3 projects financed by EU and Italian Regions. In 2018 the candidate participated, as person in charge of Politecnico di Torino, to two EU projects, that are currently under evaluation. He has carried out tutoring for doctoral students (12) and he has been supervisor of 16 research assistants with grants. The referees judgement is excellent. The overall judgment is excellent.</i></p> <p>Partial ascribed score/value 14,25 (max 15 scores to be ascribed)</p>
<p>3 - National and international reputation and supporting activity for the scientific community;</p>	<p>Very Good/Excellent</p> <p><i>The candidate is Editor of the Journal "Tunnelling and Underground Space Technology" Pergamon Press, Oxford, since 2015 and Editor in Chief of Geoingegneria Ambientale e Mineraria, (Associazione Georisorse e Territorio, Patron Editore, Bologna) since 2007. He is member of the Editorial Board of several International and national Journals. He has been technical Director of ITACET from 2007 to 2014. Since 2001 he is Research fellow of the Italian National Research Council (CNR): Istituto di Geologia Ambientale e Geoingegneria – Sezione di Torino at Politecnico di Torino. He has been visiting professor in two European Universities and in Queen's University, Kingston (Canada). Since 2013, he takes part to the governing body of the International Tunnelling and Underground Space Association. He was "Invited Speaker" in numerous international and national congresses. He was member of Scientific Committees and Organizing Committees of many international and national Conferences. The 4 referees judged the Candidate as extremely qualified. The overall judgment is very good/excellent.</i></p> <p>Partial ascribed score/value 13,65 (max 15 scores to be ascribed)</p>



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4 – Teaching activity	<p><i>Very Good/Excellent</i></p> <p>The candidate has carried out a continuous didactic activity since 1994 with Master degree courses in Italian (mainly Politecnico di Torino) and foreign universities. Since 2006 he also offers PhD courses at Politecnico di Torino.</p> <p>The judgment on the didactic activity is Very Good/Excellent</p> <p>Partial ascribed score/value 17,80 (max 20 scores to be ascribed)</p>
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.	<p><i>Excellent</i></p> <p>The candidate covers and covered in the past numerous academic positions, both in the Governing Bodies and in teaching and research structures of Politecnico di Torino.</p> <p>Partial ascribed score/value 9,50 (max 10 scores to be ascribed)</p>

OVERALL SYNTHETIC JOINT JUDGEMENT	OVERALL PRELIMINARY SCORE/VALUE
<i>Excellent</i>	<i>93,20</i>



Selection procedure for Full professors (professori di I fascia) at Politecnico di Torino, in accordance with article n.18, paragraph n.1, Italian law 240/2010

Rector's Decree 124 of February 12th 2018

Academic Recruitment Field 08/A2 Sanitary and Environmental Engineering, Hydrocarbons and Underground Fluids, Safety and Protection Engineering

Internal Code 02/18/P/O

Candidate RIZZO Luigi

Academic Evaluation Field	Joint Judgment
<p>1 - Scientific Activity</p> <ul style="list-style-type: none">• The three main outcomes/results of the research activity• 20 publications submitted• Overall Scientific production	<p>Very Good - Excellent</p> <p><i>The research activity of the candidate mainly deals with advanced oxidation processes applied to wastewater, with a particular focus to the removal of contaminants of emerging concern.</i></p> <p><i>The three referees consider Luigi Rizzo a highly-qualified scientist at international in the development of removal technologies for emerging contaminants.</i></p> <p><i>The 3 products presented by the candidate consist of publications in journals that rank in the Q1 quartile of the Scopus/WoS databases. . 1 publication has a single author; 2 publications have several authors, whose contribution is considered equal.</i></p> <p><i>Two products are very good reviews on relevant environmental topics.</i></p> <p><i>The judgement of the Commission is very good.</i></p> <p><i>The candidate has presented 20 publications, all consistent with the issues of the competition sector. All publications have several authors, whose contribution is considered equal.</i></p> <p><i>The judgement of the Commission is very good.</i></p> <p><i>The candidate has a overall scientific production, registered in Scopus of 68 articles published in journals, 60 of which produced in the last 10 years.</i></p> <p><i>The spread and impact of the entire scientific production is excellent. He has a very considerable number of citations in the last 15 years. His H-index is 25 (Scopus), as declared by the candidate, at the date of 6th April 2018. The scientific production in the last ten years denotes a very good continuity in the activity carried out by the candidate.</i></p> <p><i>The judgement of the three referees on scientific activity is very good/excellent</i></p> <p><i>The judgement of the Commission is excellent.</i></p> <p>Partial ascribed score/value 35,20 (max 40 scores to be ascribed)</p>



Selection procedure for Full professors (professori di I fascia) at Politecnico di Torino, in accordance with article n.18, paragraph n.1, Italian law 240/2010

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<p>2 - Coordination of research and technical transfer groups and projects;</p>	<p>Very good</p> <p><i>The candidate is Coordinator of the "European PhD School on Advanced Oxidation Processes" since 2014. From 2014 to 2018 he is the leader of a working group in the COST Action "ES1403". He has been coordinator/principal investigator of national and international research projects.</i></p> <p><i>He has carried out tutoring for doctoral students.</i></p> <p><i>The referees recognize to the candidate a high capacity of coordinating research and technology transfer across groups and projects.</i></p> <p><i>The overall judgment is very good.</i></p> <p>Partial ascribed score/value 12,90 (max 15 scores to be ascribed)</p>
<p>3 - National and international reputation and supporting activity for the scientific community;</p>	<p>Very good/Excellent</p> <p><i>The candidate is member of the Editorial Board Of Heliyon journal (Elsevier) since 2016 and of "Water Science & Technology", "Water Science & Technology: Water Supply" (IWA Publishing) since 2013.</i></p> <p><i>From 2004 to 2014 he has been visiting scientist, mostly in the context of Erasmus mobility program, in many European Universities and in the University of Wisconsin (USA). Since 2012, she is member of the Advisory Committee of the SPE (Society of Petroleum Engineers).</i></p> <p><i>He received several awards for reviewing activities, for some technical papers and projects.</i></p> <p><i>He was "Invited Speaker" in numerous international and national congresses.</i></p> <p><i>He took part to Scientific Committees promoted by the European Union.</i></p> <p><i>The 3 referees consider excellent the international reputation of the candidate.</i></p> <p><i>The overall judgment is Very good/Excellent.</i></p> <p>Partial ascribed score/value 13,50 (max 15 scores to be ascribed)</p>



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4 – Teaching activity	<p>Very good</p> <p><i>The candidate has carried out a continuous didactic activity since 2005 within the framework of Master and Bachelor degree at the University of Salerno. Since 2013 he held short PhD courses. The judgment on the didactic activity is very good.</i></p> <p>Partial ascribed score/value 16,60 (max 20 scores to be ascribed)</p>
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.	<p>Very good</p> <p><i>The candidate covers and covered in the past several positions, both in the Governing Bodies and in teaching and research structures of the University of Salerno. The overall judgment is very good.</i></p> <p>Partial ascribed score/value 8,10 (max 10 scores to be ascribed)</p>

OVERALL SYNTHETIC JOINT JUDGEMENT	OVERALL PRELIMINARY SCORE/VALUE
<i>Very good</i>	86,30



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Internal Code 02/18/P/O

Candidate ROLLE Massimo

Academic Field	Evaluation	Joint Judgment
1 - Scientific Activity <ul style="list-style-type: none"> The three main outcomes/results of the research activity 20 publications submitted Overall Scientific production 		<p><i>Excellent</i></p> <p><i>The research activity of the candidate deals with solute transport and mixing in porous media, interpretation of isotopic signatures of organic contaminants in aquatic environments, inorganic contaminants and geochemical heterogeneities in the subsurface.</i></p> <p><i>The three referees consider the candidate a top scientist in his scientific field.</i></p> <p><i>The 3 products presented by the candidate consist of publications in journals that rank in the Q1 quartile of the Scopus/WoS databases. They have all several authors, whose contribution is considered equal.</i></p> <p><i>The examination of the publications has highlighted a very high originality of the contents. The judgement of the Commission is excellent.</i></p> <p><i>The candidate has presented 20 publications, all consistent with the issues of the competition sector.</i></p> <p><i>They have all several authors, whose contribution is considered equal.</i></p> <p><i>The candidate investigated rigorously a wide spectrum of environmental processes and a variety of organic and inorganic chemicals.</i></p> <p><i>The judgement of the Commission is excellent.</i></p> <p><i>The candidate has produced in the last 15 years (starting in 2009) 61 publications registered in Web of Science, with a considerable number of citations. The H-index is 21, as declared by the candidate at the time of the application.</i></p> <p><i>The spread and impact of the entire scientific production is excellent. The scientific production in the last ten years denotes a very good continuity in the activity carried out by the candidate.</i></p> <p><i>The judgement of the three referees is excellent.</i></p> <p><i>The judgement of the Commission is excellent.</i></p> <p>Partial ascribed score/value 36,80 (max 40 scores to be ascribed)</p>



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<p>2 - Coordination of research and technical transfer groups and projects;</p>	<p>Excellent</p> <p><i>The candidate had the scientific responsibility as PI and coordinator of many competitive research projects since 2007. He supervised and co-supervised the work of 25 master students, 11 PhD students and 5 postdocs at Politecnico di Torino (Italy), University of Tübingen (Germany), Stanford University (USA), Technical University of Munich (Germany) and Technical University of Denmark. The overall judgment is excellent.</i></p> <p><i>The 3 referees judged excellent the capability of the candidate to coordinate research and technical transfer groups and projects.</i></p> <p><i>The overall judgment is excellent.</i></p> <p>Partial ascribed score/value 13,50 (max 15 scores to be ascribed)</p>
<p>3 - National and international reputation and supporting activity for the scientific community;</p>	<p>Excellent</p> <p><i>Since 2014 the candidate is Associate Professor of Journal of Hydrology.</i></p> <p><i>From 2003 to 2017 he has held several fellowships and appointments in international highly qualified universities and research centers.</i></p> <p><i>He was invited to give several seminars in highly qualified universities and research centers.</i></p> <p><i>He received several awards for scientific and reviewing activities.</i></p> <p><i>He was "Invited Speaker" or "Session Convener" in numerous international congresses.</i></p> <p><i>The 3 referees consider excellent the international reputation of the candidate.</i></p> <p><i>The overall judgment is excellent.</i></p> <p>Partial ascribed score/value 14,10 (max 15 scores to be ascribed)</p>



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4 – Teaching activity	<p>Very good</p> <p><i>The candidate has carried out didactic activity within the framework of Master degree in the University of Tübingen (2007-11, 20 ECTS), Technical University of Denmark (2014-17, 25 ECTS) and Sino-Danish Centre for Education and Research – SDC (2016-18, 15 ECTS)) :</i> <i>He also held 3 International PhD short courses.</i> <i>The judgment on the didactic activity is very good.</i></p> <p>Partial ascribed score/value 17,40 (max 20 scores to be ascribed)</p>
5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.	<p>Very Good</p> <p><i>The candidate covers and covered in teaching and research structures of the Technical University of Denmark.</i> <i>Since 2015 he is responsible and coordinator of Sino-Danish Center University, Water & Environment module, coordinating 16 faculty members from different Danish Universities and different institutes at the Chinese Academy of Science.</i></p> <p>Partial ascribed score/value 8,90 (max 10 scores to be ascribed)</p>

OVERALL SYNTHETIC JOINT JUDGEMENT	OVERALL PRELIMINARY SCORE/VALUE
<i>Excellent</i>	90,70



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Academic Recruitment Field 08/A2 Sanitary and Environmental Engineering, Hydrocarbons and Underground Fluids, Safety and Protection Engineering

Internal Code 02/18/P/O

Candidate VERGA Francesca

Academic Evaluation Field	Joint Judgment
<p>1 - Scientific Activity</p> <ul style="list-style-type: none"> • The three main outcomes/results of the research activity • 20 publications submitted • Overall Scientific production 	<p>Very good</p> <p><i>The research activity of the candidate mainly deals with well testing with a special focus on unconventional methodologies, reservoir characterization and numerical modeling, development of new technologies for the oil and gas field.</i></p> <p><i>The four referees recognize the overall high quality of her research.</i></p> <p><i>The 3 products presented by the candidate consist of publications in journals that rank in the Q1 quartile of the Scopus/WoS databases. One of them regards the reservoir characterization and numerical modeling; the other two unconventional well testing.</i></p> <p><i>They have all several authors, whose contribution is considered equal.</i></p> <p><i>The judgement of the Commission is very good.</i></p> <p><i>The candidate has presented 20 publications, all consistent with the issues of the competition sector. They have all several authors, whose contribution is considered equal.</i></p> <p><i>The judgement of the Commission is very good.</i></p> <p><i>The candidate has a overall scientific production, registered in Scopus of 55 products (73% published in journals, 42 of which produced in the last 10 years. She has an appreciable number of citations in the last 15 years. Her H-index is 12 (Scopus), as declared by the candidate in her application.</i></p> <p><i>The spread and impact of the entire scientific production is very good. Over time, the production of the candidate has shifted from mainly conference papers to mainly journal papers. The production of journal research articles per year has increased in the last ten years, showing also a good continuity.</i></p> <p><i>The judgement of the four referees is very good/excellent.</i></p> <p><i>The judgement of the Commission is very good.</i></p> <p>Partial ascribed score/value 33,20 (max 40 scores to be ascribed)</p>



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<p>2 - Coordination of research and technical transfer groups and projects;</p>	<p>Very good</p> <p><i>After achieving the role of associate professor, the candidate undertook the scientific coordination of an increasing number of projects. She has carried out tutoring for doctoral and post-doc students.</i></p> <p><i>The 4 referees express very high appreciation for capability of the candidate to coordinate research and technical transfer groups and projects.</i></p> <p><i>The overall judgment of the Commission is very good.</i></p> <p>Partial ascribed score/value 12,75 (max 15 scores to be ascribed)</p>
<p>3 - National and international reputation and supporting activity for the scientific community;</p>	<p>Very good</p> <p><i>The candidate has been for several years Executive Editor and before Associate Editor of a peer-reviewed International Journal. She was appointed Graduate Research Assistant at Colorado State University in 2004 and Associate Professor at the Ecole Nationale Supérieure du pétrole et des moteurs in 2005.</i></p> <p><i>Since 2012, she is member of the Advisory Committee of the SPE (Society of Petroleum Engineers).</i></p> <p><i>She received several awards for reviewing activities and for some technical papers.</i></p> <p><i>She was "Invited Speaker" in numerous international congresses and workshops. She also took part to Scientific Committees of different international congresses and workshops.</i></p> <p><i>The 4 referees recognize the very high international reputation of the candidate.</i></p> <p><i>The overall judgment of the Commission is very good.</i></p> <p>Partial ascribed score/value 13,05 (max 15 scores to be ascribed)</p>
<p>4 – Teaching activity</p>	<p>Excellent</p> <p><i>The candidate has carried out a continuous didactic activity since 2001 within the framework of Master degree and Doctoral at Politecnico di Torino: The judgment on the didactic activity is excellent.</i></p> <p>Partial ascribed score/value 18,20 (max 20 scores to be ascribed)</p>



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5 - Institutional offices and roles at Italian and Foreign universities and/or public and private institutions with scientific and/or technological transfer aims.	<i>Excellent</i> <i>The candidate covers and covered in the past numerous academic positions, both in the Governing Bodies and in teaching and research structures of Politecnico di Torino.</i> Partial ascribed score/value 9,40 (max 10 scores to be ascribed)
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OVERALL SYNTHETIC JOINT JUDGEMENT	OVERALL PRELIMINARY SCORE/VALUE
<i>Very good</i>	<i>86,60</i>



**POLITECNICO
DI TORINO**

Selection procedure for Full professors (professori di I fascia) at Politecnico di Torino, in accordance with article n.18, paragraph n.1, Italian law 240/2010

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Annex A

Individual Judgements
(part of minutes 3)



Selection procedure for Full professors (professori di I fascia) at Politecnico di Torino, in accordance with article n.18, paragraph n.1, Italian law 240/2010

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Internal Code 02/18/P/O

CANDIDATE PEILA Daniele

Commission Member: Prof. ANAGNOSTOU Georgios

Excellent

Commission Member: Prof. ANDREOTTOLA Gianni

Excellent

Commission Member: Prof. GALLER Robert

Excellent

Commission Member: Prof. GRINGARTEN Alain

Excellent

Commission Member: Prof. ROSSEN William

Excellent



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CANDIDATE RIZZO Luigi

Commission Member: Prof. ANAGNOSTOU Georgios

Good/Very Good

Commission Member: Prof. ANDREOTTOLA Gianni

Very good

Commission Member: Prof. GALLER Robert

Very good

Commission Member: Prof. GRINGARTEN Alain

Good

Commission Member: Prof. ROSSEN William

Good/Very good



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CANDIDATE VERGA Francesca

Commission Member: Prof. ANAGNOSTOU Georgios

Very Good/Excellent

Commission Member: Prof. ANDREOTTOLA Gianni

Very Good/Excellent

Commission Member: Prof. GALLER Robert

Very good –Excellent

Commission Member: Prof. GRINGARTEN Alain

Very good

Commission Member: Prof. ROSSEN William

Very good



**POLITECNICO
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Annex B

Joint Judgements

(part of minutes 3)



Selection procedure for Full professors (professori di I fascia) at Politecnico di Torino, in accordance with article n.18, paragraph n.1, Italian law 240/2010

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CANDIDATE PEILA Daniele

His seminar was extremely clear, in spite of his field, that is very wide in terms of type of questions and methods.

The presentation was excellent, also in terms of slide quality for the diverse audience.

The presentation of the results of his research was very convincing and showed a clear direction in his research. He made clear the impact of his research on industry.

The presentation illustrated much better the quality and relevance of his research activity, much better than what could be understood from the documentation. For these reasons the Commission decided to increase the Field 1 score of 1,5 points, from 38 to 39,5.

Excellent

Surname and Name	Numerical value for each academic evaluation					Overall value
	Field 1	Field 2	Field 3	Field 4	Field 5	
PEILA Daniele	39,5	14,25	13,65	17,80	9,50	94,7

CANDIDATE RIZZO Luigi

A long part of his Seminar was dedicated to show the importance of his field, which he did very well, but this was at the cost of not showing with sufficient clarity the contribution of his own research. The presentation did not highlight a clear vision for his research.

Good/Very good

Surname and Name	Numerical value for each academic evaluation					Overall value
	Field 1	Field 2	Field 3	Field 4	Field 5	
RIZZO Luigi	35,20	12,90	13,50	16,60	8,10	86,30



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CANDIDATE VERGA Francesca

Her seminar was clear, although targeted more to a specialized audience.

Many of her slide were too crowded to be read and understood by the audience. She had a clear vision of her research The presentation illustrated much better the quality and relevance of her research activity, much better than what could be understood from the documentation. For these reasons the Commission decided to increase the Field 1 score of 1 point, from 33,20 to 34,20

Very good/Excellent

		Numerical value for each academic evaluation					Overall value
Surname and Name		Field 1	Field 2	Field 3	Field 4	Field 5	
VERGA Francesca		34,20	12,75	13,05	18,20	9,40	87,60



**POLITECNICO
DI TORINO**

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Annex A

Comparative Evaluation
(part of minutes 4)



Selection procedure for Full professors (professori di I fascia) at Politecnico di Torino, in accordance with article n.18, paragraph n.1, Italian law 240/2010

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1. SCIENTIFIC ACTIVITY

(The three main outcomes/results of the research activity, submitted publications, overall scientific production)

According to the joint judgements expressed, the scientific activity of the candidate:

PEILA Daniele	is evaluated	Excellent
RIZZO Luigi	is evaluated	Very Good/Excellent
VERGA Francesca	is evaluated	Very Good

2. COORDINATION OF RESEARCH AND TECHNOLOGY TRANSFER GROUPS AND PROJECTS

According to the joint judgements expressed, the coordination of research and technology of transfer groups and projects of the candidate:

PEILA Daniele	is evaluated	Excellent
RIZZO Luigi	is evaluated	Very Good
VERGA Francesca	is evaluated	Very Good

3. NATIONAL AND INTERNATIONAL REPUTATION AND SUPPORTING ACTIVITY FOR THE SCIENTIFIC COMMUNITY

According to the joint judgements expressed, the national and international reputation and the supporting activity for the scientific community of the candidate:

PEILA Daniele	is evaluated	Very Good/Excellent
RIZZO Luigi	is evaluated	Very Good/Excellent
VERGA Francesca	is evaluated	Very Good

4. TEACHING ACTIVITY

According to the joint judgements expressed, the teaching activity of the candidate:

PEILA Daniele	is evaluated	Very Good/Excellent
RIZZO Luigi	is evaluated	Very Good
VERGA Francesca	is evaluated	Excellent



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5. INSTITUTIONAL OFFICES AND ROLES IN ITALIAN AND FREIGN UNIVERSITIES AND/OR PUBLIC AND PRIVATE INSTITUTIONS WITH SCIENTIFIC AND/OR TECHNOLOGY TRANSFER AIMS.

According to the joint judgements expressed, the activity of the candidate:

PEILA Daniele is evaluated Excellent

RIZZO Luigi is evaluated Very Good

VERGA Francesca is evaluated Excellent

6. SEMINAR OPEN TO FACULTY MEMBERS

According to the joint judgements expressed, the seminar of the candidate:

PEILA Daniele is evaluated Excellent

RIZZO Luigi is evaluated Good/Very Good

VERGA Francesca is evaluated Very Good/Excellent

Surname and Name	Numerical score ascribed for each of the 5 fields					Overall value
	Field 1 max 40 points	Field 2 max 15 points	Field 3 max 15 points	Field 4 max 20 points	Field 5 max 10 points	
PEILA Daniele	39,5	14,25	13,65	17,80	9,50	94,7
RIZZO Luigi	35,20	12,90	13,50	16,60	8,10	86,30
VERGA Francesca	34,20	12,75	13,05	18,20	9,40	87,60

Read and approved

The Commission:

President	Prof. Gianni ANDREOTTOLA	<i>sgd Prof. Gianni ANDREOTTOLA</i>
Member	Prof. Georgios ANAGNOSTOU	<i>sgd Prof. Georgios ANAGNOSTOU</i>
Member	Prof. Robert GALLER	<i>Meeting through online procedure</i>
Member	Prof. Alain GRINGARTEN	<i>sgd Prof. Alain GRINGARTEN</i>
Member	Prof. William ROSSEN	<i>sgd Prof. William ROSSEN</i>