



Nomination Template
Vice President
(2017-2020)

Nominee:	
Name:	Prof. Dr. Yerach Doytsher
Member Association:	The Association of Licensed Surveyors in Israel
Country:	ISRAEL
Contact address:	Mapping and Geo-Information Engineering Technion – Israel Institute of Technology Haifa 32000, ISRAEL
Email address:	doytsher@technion.ac.il +972-4-8293183 (O); +972-54-4690110 (M) +972-4-8295708 (Fax)
Age:	70
Educational background & Qualifications:	<ul style="list-style-type: none">▪ 1967, B.Sc., Civil Engineering (Geodetic Engineering major), Technion - Israel Institute of Technology▪ 1973, M.Sc., Geodetic Engineering, Technion - Israel Institute of Technology▪ 1979, D.Sc., Geodetic Engineering, Technion - Israel Institute of Technology
Field of surveying discipline	Surveying and Digital Mapping; Photogrammetry; Spatial Information; Geographical Information Systems; Cadastre and Land Information Systems.
History of Employment:	Professor Emeritus, Civil and Environmental Engineering, Technion - Israel Institute of Technology.
- Current position	
- Previous position(s)	<ul style="list-style-type: none">▪ 2012-2016, Head of the Technion's Master Program on Real-Estate Studies▪ 2012-2016, Head of the Technion's Master Program on Urban Engineering▪ 1999-2014, Head of the Geodesy and Mapping Research Center, Faculty of Civil and Environmental Engineering, Technion.▪ 2006-2010, Dean of the Faculty of Architecture and Town Planning at the Technion.▪ 1996-2006, Head of the Mapping and Geo-Information Engineering Program (as Head of Geodetic Engineering Division and as Head of the Transportation and Geo-



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- Information Engineering Department) at the Technion.
- 1971-1996, Teaching at Tel-Aviv University, The Hebrew University of Jerusalem, Bar-Ilan University, and The Technion - as an adjunct teacher (lecturer / senior lecturer / associate professor).
 - 1975-1996, Self-employed Geodetic Engineer, professional consulting and geodetic guidance for many private and public bodies, among these several ministries, Survey of Israel, Israel Lands Administration, private companies in Israel and abroad and others.
 - 1967-1975, Governmental employee, Geodetic Engineer, Head of Computing Section and Head of Automation Division at the Survey of Israel.



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Nominee:	
Position of Trust: - Current position(s) - Previous position(s)	<ul style="list-style-type: none"> ▪ 2011-2017, President, Association of Licensed Surveyors in Israel <hr/> <p>Several positions, inter alia,</p> <ul style="list-style-type: none"> ▪ 2011-2014, Chair, FIG Commission 3 on Spatial Information Management ▪ 2013-2014, ACCO Representative to the FIG Council ▪ 2005-present, Member of the Advisory Guiding Committee in Geodesy and Cadastre to the Director General of the Survey of Israel. ▪ 2003-2006, Member of the Appointment and Promotion Senate Committee, Technion - Israel Institute of Technology. ▪ 2002-2004, Member of the governmental steering committee, 3D Cadastre in Israel. ▪ 1995-1998, Member in a committee for renewing the Israeli surveying regulations.
FIG Positions/Responsibilities: - Current position(s)/responsibilities - Previous position(s)/responsibilities	<ul style="list-style-type: none"> ▪ 2015-2016, Chair, FIG Task Force on Establishing the FIG Scientific Journal <hr/> <ul style="list-style-type: none"> ▪ 2011-2014, Chair, FIG Commission 3 on Spatial Information Management ▪ 2013-2014, ACCO Representative to the FIG Council ▪ 2007-2014, Annual Commission 3 workshops, Chair of the Peer Review Committee. ▪ 2002-2006, Commission 3, Co-Chair, Working Group on 3D Cadastre, Inter-Commission activity of Commission 3 and Commission 7. ▪ 1998-2002, Commission 3, Co-Chair, Working Group 1 (Technical Aspects of SIM).
Other activities in FIG	<p>During the last 20-25 years have participated in most of FIG congresses and annual working weeks, as well as in many other FIG workshops. Have delivered a large number of invited speeches and presentations on subjects of Surveying, Cadastre, Spatial information and GIS management in these events.</p>

y.D.



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Nominee's statement	
My motivation to be FIG Vice President:	<p>During more than 45 years of my professional career I have gained considerable experience both as a practitioner engineer as well as an academic professor - researcher and teacher. The experience I have gained in the fields of digital mapping and photogrammetry, GIS, Cadastre and LIS, is very relevant to FIG activity.</p> <p>Over the years I have accumulated significant managerial experience both in the private and in the public sectors as well as in the academia. Inter alia, I was head of a large government department, I was a professional manager of private geomatics firms, and I have served as head of a department and dean of a Faculty at the Technion. This managerial experience would be very useful for the position of FIG Vice President and member of the council.</p> <p>Relying on my past experience, capabilities and managerial background in various areas, all relevant to FIG activities, I intend to devote my time and efforts to developing FIG agenda for the benefits of the international surveying community.</p>
What I can offer in support of FIG's aims and objectives:	<p>I am extensively involved in FIG matters for many years now, and since the mid-1990s I am the Israeli national delegate to commission 3. As an active member in commission 3, I did my best to contribute to its activity, to share my knowledge and experience with my colleagues and delegates, and to actively participate in conferences and workshops. In the term 2011-2014, I was the chair of commission 3.</p> <p>Facing the challenges of our profession in the 21st century, I am confident that I can assist the president and the council in continuing its very successful and important work as leading internationally the surveying profession. I am ready to fulfil tasks and be responsible for topics that will be given to me by the president. I would like to encourage surveying and mapping associations and organizations in general and academic departments in particular to join FIG, to encourage delegates from all countries to participate and contribute to FIG; to help organizing annual workshops focusing on specific predefined topics within the FIG commissions agenda; and to motivate professionals from industry and academia to participate and contribute with their know-how for the benefit of our profession and our society.</p>



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My key skills for the Vice Presidency and FIG Council:	Rich background of practical professional activities and background as a researcher and professor; Managerial background and experience; Long history of activity within FIG in general and in Commission 3 in particular; Acquaintance with FIG goals and missions; Willingness to devote time and effort towards the prosperity of FIG.
Any other supporting information:	Have the capabilities, inter alia, to motivate people to professionally contribute, to initiate and organize professional conferences, to establish multi-disciplinary working groups - all that - to promoting the surveying and the mapping profession and community.




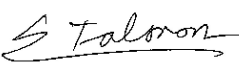
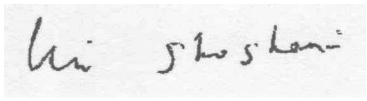
Nomination Template
Vice President
(2017-2020)

Nominator	
Name of Member Association:	The Association of Licensed Surveyors in Israel
Name of Proposer:	Mr. Eliyahu Talmon
Position in Association	Vice President and Treasurer
Contact address:	34 Itzhak Sadeh St., P.O. BOX 51668, Tel Aviv 67212, ISRAEL
Email address	alsi@alsi.org.il
Proposer's Statement	
Why the Association wants to propose the Nominee	<p>Professor Doytsher holds BSc, MSc and DSc degrees in Geodesy, and is an Emeritus Professor of Mapping and Geo-Information Engineering at the Technion. He has a long history of practical engineering and land surveying experience in the public and private sectors in Israel, and has significantly contributed to our profession. Throughout last decades he has developed new standards and ideas in order to face the new challenges of our profession. His extensive research experience in the different aspects of Cadastre, mapping and surveying, which are all relevant to FIG activity, is also worth mentioning.</p> <p>Since 2011, Professor Doytsher serves as the president of the Association of Licensed Surveyors in Israel, and is very successful in this position. Organizing professional courses to promote the professional level of the licensed surveyors in Israel, organizing annual fruitful conferences, and to move forward the level and quality of the surveying profession - all of which will constitute a significant asset in his role as FIG Vice President, once elected.</p> <p>Professor Doytsher is extensively involved in FIG matters. He is the Israeli national delegate to commission 3 for many years now, and had participated in many FIG conferences and workshops, sharing his experience by lecturing on his fields of expertise.</p> <p>In his positions in the last few years as chair of FIG commission 3 and the ACCO Representative to the FIG council, he had demonstrated his professionalism and skills, and contributed greatly to the success of FIG. The annual conferences/workshops he had organized with a large number of participants and high professional</p>



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	standards are undoubtedly a significant contribution to FIG and its assets.
What support (financial, administrative and others) can the Association provide to the Nominee if elected Vice President	The Association of Licensed Surveyors in Israel will give full administrative, professional and financial support to Professor Doytsher in fulfillment of his task as FIG Vice President, once he will be elected.
Any other supporting information:	The Association of Licensed Surveyors in Israel will support Professor Doytsher with any additional required support in order to enable him to successfully fulfil the position as FIG Vice President, once elected.
Name of Seconder:	Mr. Uri Shoshany
Position in Association	Past President and Chair of the Honorary Tribunal
Contact address:	34 Itzhak Sadeh St., P.O. BOX 51668, Tel Aviv 67212, ISRAEL
Email address	alsi@alsi.org.il

Signed I hereby certify the above is true and correct	
Nominee	
Proposer:	
Seconder:	
Date:	January 19, 2016

* Nominee is required to cancel whichever is not appropriate; and
Nominee is requested to initial every page of the nomination template

Clarifying Notes:	<ul style="list-style-type: none">The Nominator (Proposer and Seconder) must be principal officers of the FIG Member Association (by principal officers, it is construed
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	<p>as President or Chairperson, Deputy or Vice President/Chairperson, Secretary General or Chief Executive Officer or equivalent position)</p> <ul style="list-style-type: none">• The Nomination Template must be accompanied by a letter of support from either the President or the Principal Officer of the nominating FIG Member Association• Nominating FIG Member Association should ascertain the availability of the nominee over the duration of the term of office• Nominee should preferably have prior or current responsibilities within and working knowledge of FIG, its activities, aims and objectives• Nominee and Nominator are requested to pay attention to the Nominee's Statement and the Proposer's Statement
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January 19, 2016

Ms. Louise Friis-Hansen
FIG Manager
International Federation of Surveyors, FIG
Kalvebod Brygge 31-33
DK-1780 Copenhagen V
DENMARK
E-mail: louise.friis-hansen@fig.net

Dear Ms. Friis-Hansen,

Re: Professor Dr. Yerach Doytsher – as a nominee to FIG Vice President

Professor Dr. Doytsher holds BSc, MSc and DSc degrees in Geodetic Engineering, and is a Emeritus Professor of Mapping and Geo-Information Engineering at the Technion – Israel Institute of Technology. He has a long history of practical engineering and land surveying experience in the public and private sectors in Israel and has significantly contributed to our profession. In the last decade he has developed new standards and ideas in order to face the new challenges of our profession. His extensive research experience in the different aspects of cadastre, mapping and surveying, all relevant to FIG activities, is also worth mentioning.

Since 2011 Professor Doytsher is the president of The Association of Licensed Surveyors in Israel; a position that exposes him to all aspects of our profession, as well as to the aspects of related disciplines, such as Town Planning, Land Management, and Real Estate Appraisal. All are contributing to a better understanding among the professionals involved in the various activities affiliated with FIG and sister organizations.

For more than 4 decades of a professional career, Professor Doytsher has gained considerable experience both as a practitioner engineer and an academic professor - researcher and teacher. He has accumulated managerial experience in the private and public sectors, as well as in the academia. He has served as head of a large government department at the Survey of Israel, was a professional manager of private firms, and served as head of departments and Faculty Dean at The Technion. This managerial experience would be very useful as a FIG Vice President.

Professor Doytsher has published more than 370 research papers and reports in international technical and scientific journals, and international and local symposia proceedings. He had participated in more than 130 conferences and congresses, and gave more than 150 presentations on various topics of geodesy, surveying, cadastre, cartography, photogrammetry, mapping and GIS, and geospatial processing. Since the 1990s, he had supervised (and continue to supervise) 65 graduate students (more than a third are PhD students).

Professor Doytsher is extensively involved in FIG issues. He is the Israeli national delegate to Commission 3 for many years now, and had participated in many FIG conferences and



workshops, sharing his experience by lecturing on his fields of expertise. During the 2011-2014 term he was the chair of FIG commission 3, and during the 2013-2014 term he was the ACCO Representative in the FIG council. During his activities over the years in FIG in general and during the past term as chair of commission 3 in particular, he has demonstrated his professionalism and managerial capabilities, contributing greatly to the success of FIG. The annual conferences/workshops he had organized with a large number of participants having high professional standards are undoubtedly a significant contribution to FIG and its assets.

We are hereby submitting his nominee to the position of FIG Vice President for the period 2017-2020. The nomination is based on Professor Doytsher's experience, knowledge and capabilities in the areas of surveying and geo-information. However, first and foremost it is based on his international profile and his commitment to developing FIG agenda for the benefit of the surveying and mapping community worldwide. Being elected would undoubtedly contribute immensely to the international community of surveyors in general and to FIG in particular.

The Association of Licensed Surveyors in Israel will give full administrative, professional and financial support to Professor Doytsher in fulfillment of this task, once he is elected.

Yours Sincerely,

Eliyahu Talmon
Vice President and Treasurer

Uri Shoshany
Past President and Chair of the
Honorary Tribunal

The Association of Licensed Surveyors in Israel

Encl. Professor Doytsher's Short Curriculum Vitae



Short Curriculum Vitae - Prof. Dr. Yerach Doytsher

Professor Yerach Doytsher was born in Russia (1945) and immigrated to Israel as a young child (1950). He studied at the Technion - Israel Institute of Technology, and obtained BSc in Civil Engineering - specializing in Surveying and Geodesy - Summa Cum Laude in 1967. In 1970 he was licensed for land surveying ("Israeli Licensed Surveyor"). Later, he obtained his MSc (1973) and DSc (1979) degrees in Geodetic Engineering, also from The Technion.

In 1967 he had started his professional activity in the public sector, and worked for 8 years at the Survey of Israel (the governmental agency responsible for geodesy, mapping, cadastre and GIS). As head of the automation and computation division, he was involved in developing automation methods and techniques for plane and geodetic surveying, and in developing automation applications and projects for cadastral survey.

During the next 20 years, he had worked in the private sector as a professional manager, mapping and GIS projects supervisor, and as a senior scientific consultant. He had handled topographic and cadastral engineering projects; developed geo-referenced urban databases and automated methods for town planning projects; implemented analytical and digital photogrammetry for cadastral mapping and land management, and digital terrain models for automated topographic and highway design; and, managed multi-layer wide range GIS projects. He had also acted during this period as a scientific and professional consultant to different domestic and international organizations in the fields of Geodesy, Photogrammetry, Computer Graphics, Automated Mapping, and Geographic Information Systems.

During his professional career, he had lectured since the 1970s as an Adjunct Associated Professor at several universities (Technion, Tel-Aviv University, Bar-Ilan University), tutoring mapping and geo-information engineers, surveyors and geodesics, civil engineers, and geographers.

The third period of Professor Doytsher's career had started at 1996, when he was appointed as a faculty member at the Technion, where he is today an Emeritus Professor of Mapping and Geo-Information at the Faculty of Civil and Environmental Engineering. He was responsible for updating and upgrading the previous geodetic curricula, with a significant transition from a limited geodetic program focusing mainly on geodetic aspects to a comprehensive and modern mapping and geo-information undergraduate and graduate programs. This transition was followed by a considerable increase in the number of undergraduate students, and a huge increase in the number of MSc and PhD students. In addition to teaching and research activities, he was appointed as head of the Geodetic Engineering Division (1996-2002), head of the Department of Transportation and Geo-Information Engineering (2002-2006) and Dean of the Faculty of Architecture and Town Planning (2006-2010). Nowadays, he is heading two prestigious Master programs at The Technion – Real Estate program and Urban Engineering program. During the 1999-2014 term, he was also heading the Geodesy and Mapping Research Center of The Technion.

Included within the research interests and expertise of Professor Doytsher are: Geographic Information Systems in general and graphical-digital conversions in particular; Using non-linear transformation (rubber sheeting) algorithms and techniques for maps and database conversion; Conflation and merging of digital 2D and 3D information (maps and databases); Land information and management systems in general and digital cadastre and 3-dimensional cadastre in particular; Digital terrain models (DTMs and DSMs); Digital photogrammetry and LiDAR; and, Crowdsourcing technology.



Professor Doytsher had published more than 370 research papers and reports in international scientific and technical journals, and international and local symposia proceedings. He had participated in more than 130 conferences and congresses, and gave more than 150 presentations on various topics of geodesy, surveying, cadastre, cartography, photogrammetry, mapping and GIS, and geospatial processing. Since the mid-1990s, he had received more than 30 substantial research grants (from Israeli governmental agencies as well as from Israeli and foreign research foundations), dealing with most innovative subjects of geodesy, cadastre, photogrammetry and GIS. Since the 1990s, he had supervised (and continue to supervise) about 25 PhD and 40 MSc graduate students.

Since the mid-1990s Professor Doytsher has been active in international professional organizations, inter alia, FIG, ISPRS and ICA. For the last 20 years, he is the Israeli national delegate to FIG commission 3 on Spatial Information Management and was the chair of this commission for the term 2011-2014. During the last 20 years, he has participated very actively in most of the annual FIG conferences and congresses, and in the annual commission 3 workshops, and his activity is expressed mainly in issues such as: land management, geospatial information, Cadastre in general and digital and 3-dimensional cadastre in particular, etc.

In addition to his academic work, Prof. Doytsher is also involved in the practical aspects of the geomatics profession as a consultant for the private and public sectors, and since 2011 he is the President of the Association of Licensed Surveyors in Israel.