



Discover a network full of possibilities

A brief portrait of the DVS – German Welding Society

THE HEART OF THE JOINING TECHNOLOGY BEATS HERE

Welcome to the DVS!

Dear Readers,

DVS – these three letters stand for „Deutscher Verband für Schweißen und verwandte Verfahren e. V.“ („German Society for Welding and Allied Processes“). However, they also stand for „DIE VERBINDUNGS SPEZIALISTEN“ („THE JOINING SPECIALISTS“). Because all the activities in DVS concentrate on joining technology with its approx. 250 different processes at present.

Scientists and researchers, manufacturers and users, trainees and students as well as skilled craftsmen, company representatives, partner associations and organisations also input into DVS their expertise and their interest in joining technology. They are all THE JOINING SPECIALISTS and form a firmly joined, strong network which is recognised nationally and internationally.

I am glad that I have the pleasure of introducing the society to you in greater detail on the following pages. At the same time, I am already inviting you at this juncture to take part and collaborate in the network and to profit from it.

More than 120 years of experience characterise the work of the society; the beginnings of today's DVS go back as far as 1897. The „German Society for Welding Technology“ was first mentioned in 1947. The subject field of the DVS activities widened continuously with advancing technological development. Today, the DVS work is determined not only by welding but also by all the processes for everything to do with joining, cutting and coating. And in order to do justice to this wideranging subject field, DVS has absolutely officially been called „DVS – German Society for Welding and Allied Processes“ since 1998.

Both at that time and today, experts from industry, skilled crafts, commerce, research, science, teaching and services came and come together in order to jointly show their commitment to the same cause: contemporary and future-oriented joining technology. In a unique way, DVS interlinks research and technology with education and certification as well as with technological exchange and network activities.

Whatever results are elaborated in one of these three fields are automatically incorporated into the others, too.

As a source of impetus for developments and research projects dealing with joining technology, DVS is the first contact all over Germany. In the more than 300 DVS educational establishments, it simultaneously ensures standardised education and certification in joining technology. Moreover, it always keeps the comprehensive and much-used set of rules consisting of DVS guidelines, technical codes and technical bulletins up to date and makes it available to its members free of charge.

However, it primarily unites various people, small, medium-sized and large enterprises, institutions, organisations and corporate bodies. They all contribute to making DVS a strong network. A network which creates jobs, which counteracts the shortage of specialists in Germany and which safeguards the economic location.

Therefore, good reasons to become a part of this network. Make your input into the expert bodies of DVS, support the district and state branches of DVS in situ or make use of the expertise of around 19,000 members. Become a joining specialist, too. I am looking forward to welcoming you!

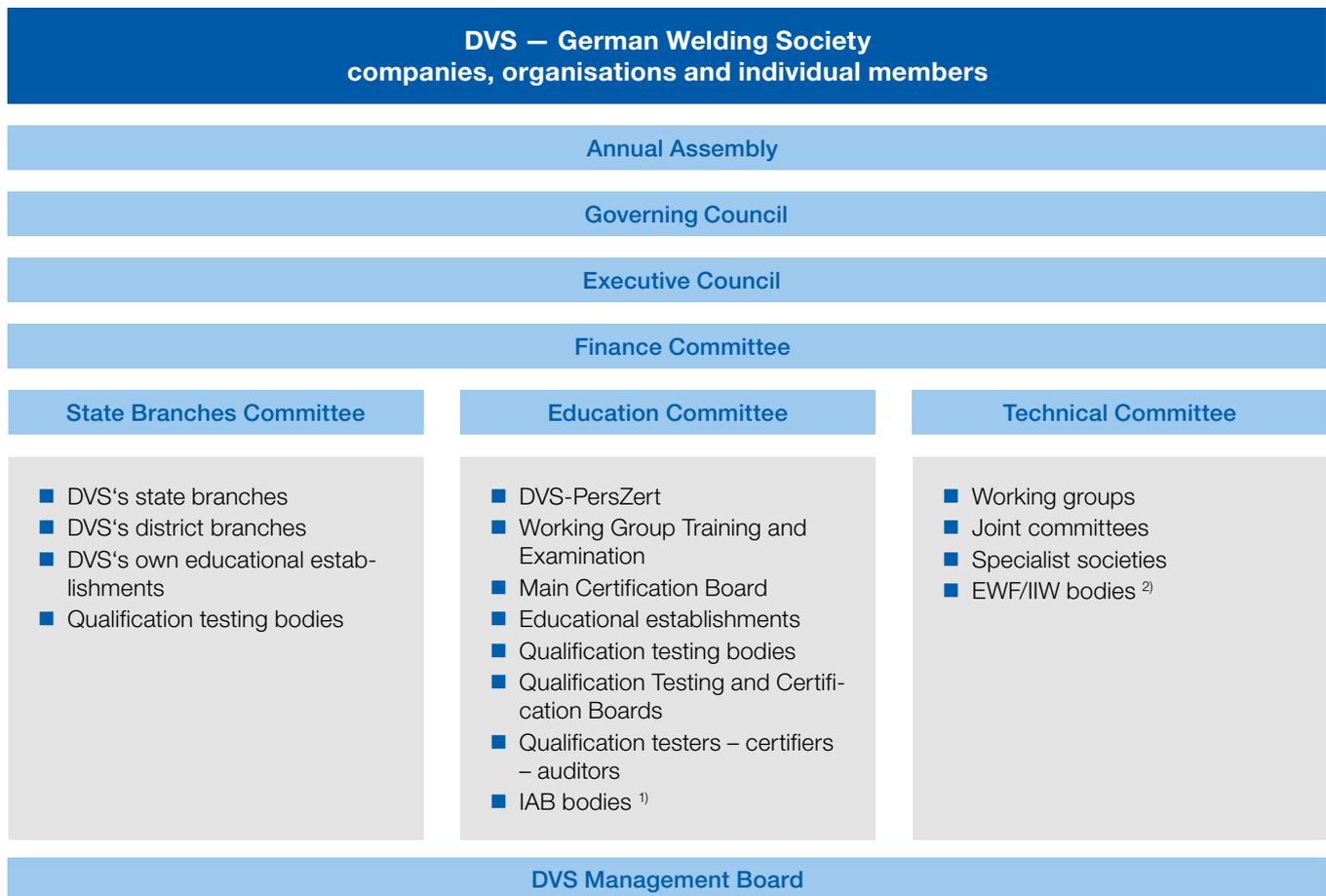


Dr.-Ing. Roland Boecking
DVS General Manager



Structure and organisation of DVS

Status: December 2018



¹⁾ International Authorization Board (EWF/IIW)

²⁾ EWF – European Federation for Welding, Joining and Cutting / International Institute of Welding (IIW)

DVS is a non-profit-making technical-scientific society which is committed to all the concerns relating to everything to do with joining technology.

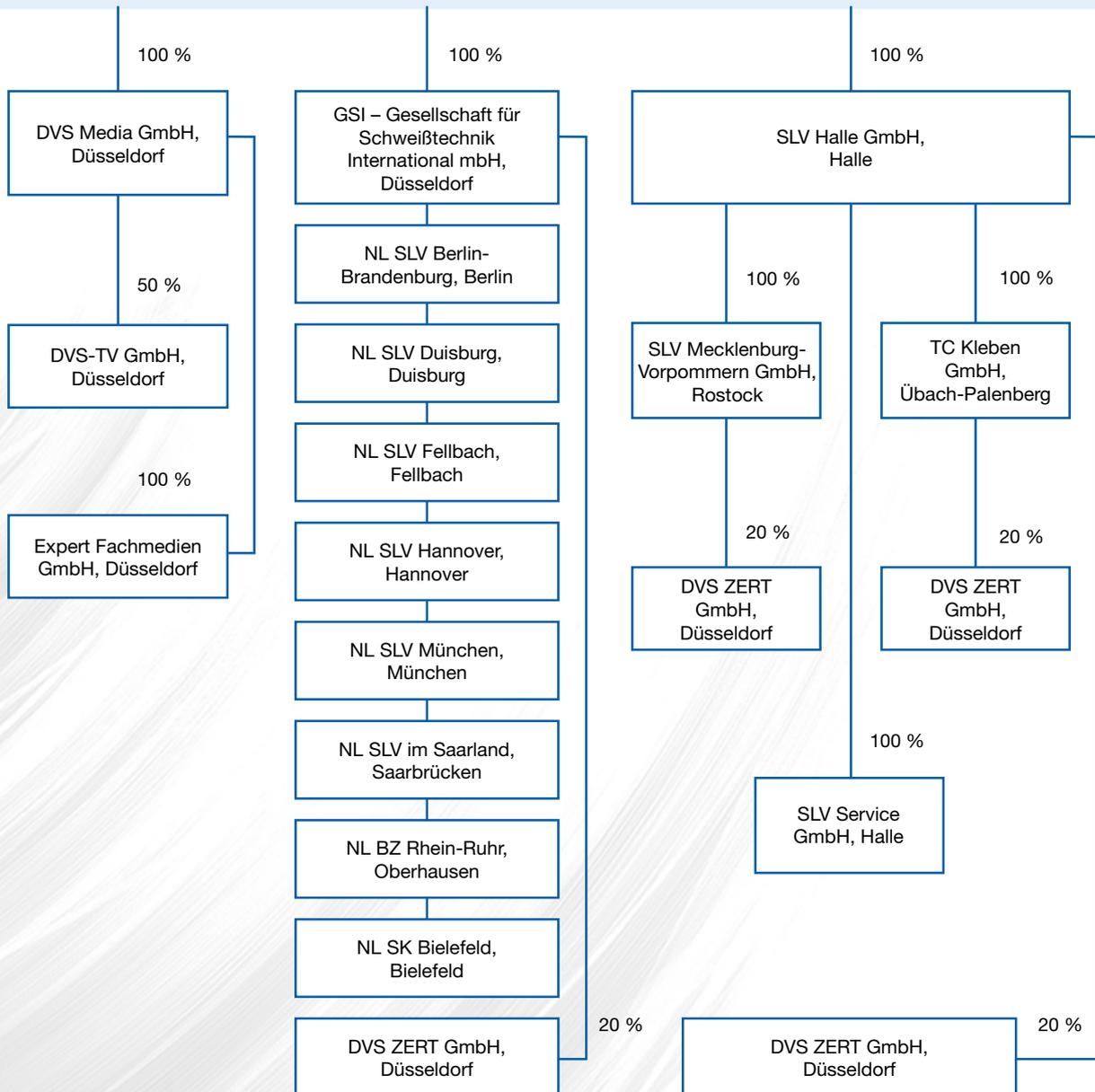
With the numerous state and district branches of DVS, it is present all over the federal territory. The head office is located in Düsseldorf.

YOU ARE
AT HOME HERE



The companies affiliated to DVS

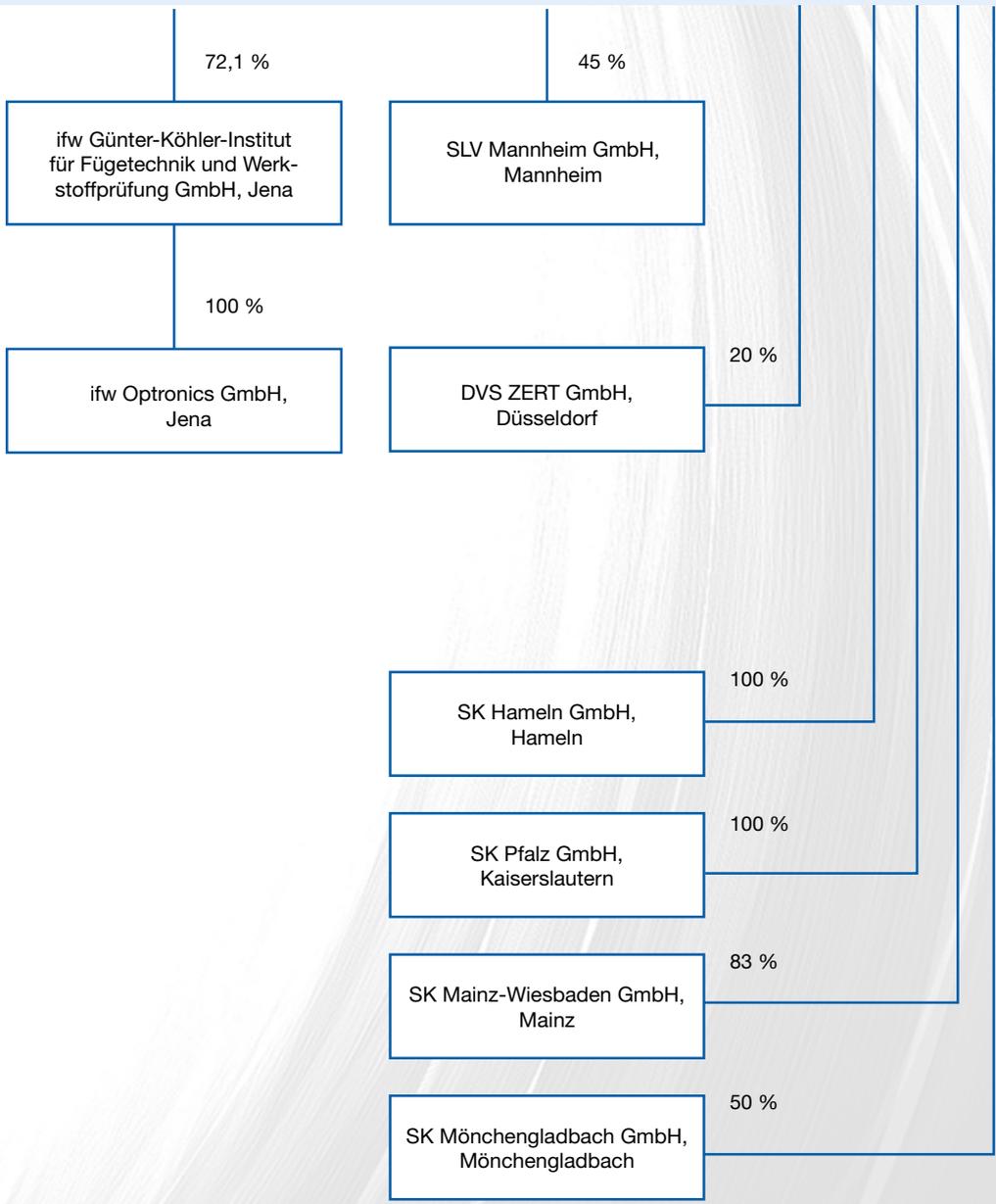
DVS – German



The multifaceted activities of DVS are also borne by different partners.

Therefore, they all support the operative business of the society and thus bring joining technology further forwards. Gain an overview of the structure of the companies affiliated to DVS.

Welding Society



SLV = Welding Training and Research Institute
 NL = Branch
 BZ = Educational Centre
 SK = Welding Course Centre

Status: December 2018



They are also THE JOINING SPECIALISTS

DVS has shareholdings in various companies and associations. They are important partners in order to implement the technical-scientific work of the society in practice.

- **DVS Media GmbH** publishes specialist books as well as various trade journals about joining, cutting and coating. These include not only SCHWEISSEN UND SCHNEIDEN and DER PRAKTIKER but also the internationally well-known journals called WELDING AND CUTTING, THERMAL SPRAY BULLETIN and JOINING PLASTICS. The range on offer is supplemented by teaching media, software and the printed information services entitled DER SCHWEISSER and SCHWEISSAUFSICHT AKTUELL. The extensive set of DVS rules with guidelines, technical codes and technical bulletins is available from DVS Media as well. With its own department for PR agency services, the publishing house is also a competent contact for the design and implementation of brochures, flyers, films and online projects, for example, for DVS, GSI mbH, SLV Halle GmbH, Fronius Deutschland GmbH or Messe Essen GmbH, too.

The Internet television channel called DVS-TV belongs to DVS Media GmbH. DVS is a supporting member. Magazines, reports, interviews, practical tips and many other contributions always impart

the fascination of joining technology in moving pictures in a topical way. Appropriately for this, the TV channel is active in the social networks. Six times per year, the „DVS-TV International News“ also reports on joining technology subjects and trends with distinctly international references in the English language.

www.dvs-media.eu
www.dvs-tv.de

- **GSI – Gesellschaft für Schweißtechnik International mbH** is an amalgamation of efficient Welding Training and Research Institutes. The GSI activities focus on training, further education, advice as well as technology transfer at home and abroad. With competitive and economically viable solutions, GSI guarantees the quality and safety of joining technology products. Due to the bundling of advice, research, materials testing, certification, training and further education, this affiliated company offers extensive expert competence with regard to joining technology. GSI actively collaborates in the formulation of national and international standards and sets of rules, too.

www.gsi-slv.de

- The Welding Training and Research Institute called **SLV Halle GmbH** (formerly, „Mitteldeutsche Schweißlehr- und Versuchsanstalt“ and, thereafter, „Zentralinstitut für Schweißtechnik (ZIS) der DDR“) has existed since 1930. With its training of personnel for welding technology and testing technology, it is particularly strongly anchored in Central Germany. Out of tradition, the business activities

still encompass a wide spectrum of research today, too. Developments take place in the technological field but also include materials testing tasks as well as subjects relating to the design and calculation of welded components. SLV Halle renders a special service with the Online Registers for DIN EN 15085 and DIN EN 1090 developed and operated by it.

www.slv-halle.de

- **ifw Günter-Köhler-Institut für Füge-technik und Werkstoffprüfung GmbH** in Jena was founded in 1992 and is a partner for the economy and, in particular, for technology-oriented medium-sized enterprises. The company strategy is based on the close interweaving of the profile lines of research, services, training and further education. Therefore, ifw Jena also offers a comprehensive range available for training, ongoing education and further education programmes.

www.ifw-jena.de

- The Welding Training and Research Institute called **SLV Mannheim GmbH** was transformed from an institute of the federal state of Baden-Württemberg into a non-profit-making limited liability company in 1978 and offers a wide spectrum of services. It is a partner for practical and theoretical training and the first contact in nearly all the questions arising in welding technology.

www.slv-mannheim.de

- The other companies affiliated to DVS include Schweiß-technische **Kursstätte SK Hameln GmbH**, **Schweißtechnische Kursstätte SK Pfalz GmbH**, **Schweißtechnische Kursstätte SK Mainz-Wiesbaden GmbH** and **Schweißtechnische Kursstätte SK Mönchengladbach GmbH**. They all offer theoretical and practical training, ongoing education and further education in welding technology.

www.sk-hameln.de

www.sk-pfalz.de

www.sk-mainz.com

www.schweisskurs.de

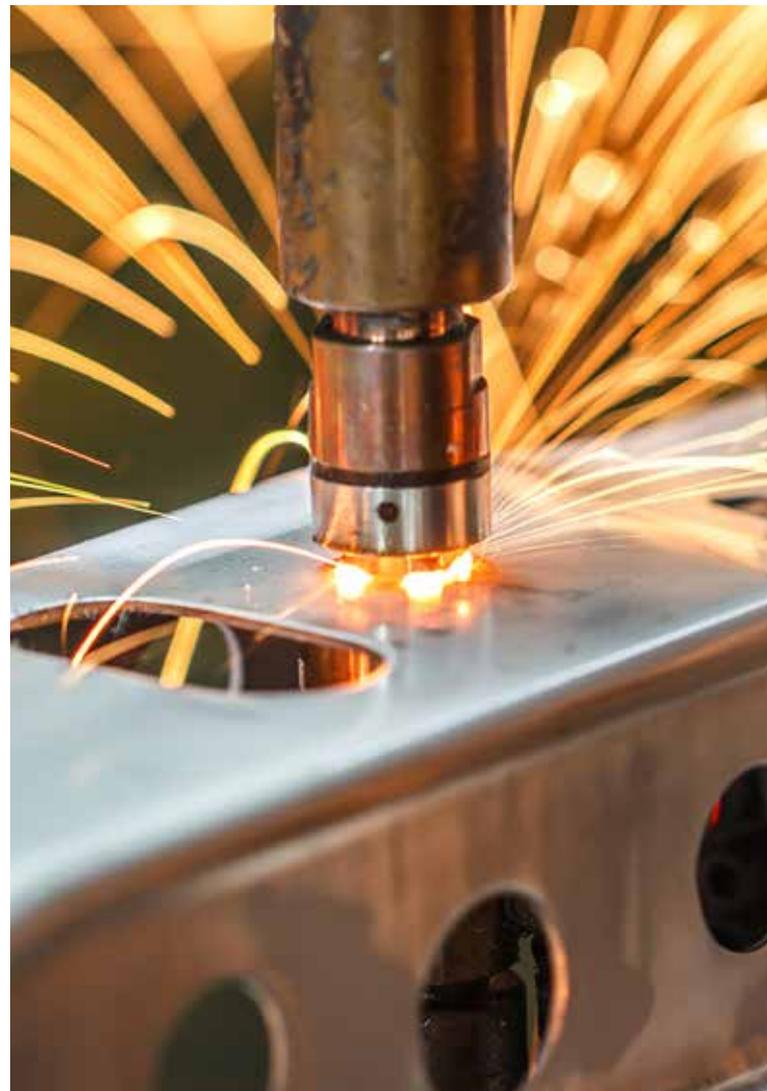
- The activities of **DVS ZERT GmbH** concentrate on management systems and products. DVS ZERT is the independent and accredited certification body in DVS. When DVS ZERT uses a certificate in order to attest that quality-relevant stipulations and guidelines are complied within the company, then everybody knows: Here, the quality was tested by an independent body. Especially when satisfying stringent safety requirements, companies are obliged to have their internal procedures certified. However, many plants also

have such auditing carried out voluntarily in order to emphasise their own quality claims.

www.dvs-zert.de

- With its work, the **Research Association on Welding and Allied Processes e. V.** of DVS safeguards national and international research activities in the fields of joining, cutting and coating. In order to guarantee research results particularly close to practical needs, the Research Association ensures that companies are permanently incorporated into all the phases of the research activities. And because the Research Association focuses on joint industrial research (IGF), small and medium-sized businesses in particular are also invited to formulate the need for research and to profit from the results. The Research Association is an independent association in the network of DVS and an important partner for the technical-scientific work of the society.

www.dvs-forschung.de





WE HAVE THE RULES FOR THIS TECHNOLOGY IN DVS

Research and Technology in DVS

The intensive cooperation between research, technology and education is a core element of the joint technical-scientific work in DVS. Its objectives are to promote the exchange of specialist information without delay and to provide specialist information close to practical needs for industry, skilled crafts and science.

In DVS, the „Research and Technology“ Department is at the centre of these activities. It combines all the activities of the Research Association on Welding and Allied Processes e. V. of DVS and the Technical Committee (AFT). In this respect, the Research Association and AFT are closely intermeshed with each other. This means that any results from the Research Association are taken up in the working groups of AFT. If necessary, these are reflected in the set of technical DVS rules, too. In turn, scientific questions dealt with by the Technical Committee can be taken into account and investigated by the activities of the Research Association.

More than 2,300 experts in over 200 working groups or bodies show their successful commitment in DVS in order to jointly perpetuate the state of the art in joining technology in a continuous way close to applications, to find exact-fitting solutions to contemporary requirements and to safeguard the future of joining technology in this way. Their common objectives: to push ahead with pioneering technical developments as well as to preserve and consolidate any existing results and standards.

Technological innovations are covered by the set of DVS rules. Thus, members and experts are continuously informed about the developments and the results from joining technology.

The set of DVS rules, consisting of DVS technical bulletins, technical codes and guidelines, indicates the state of the art in each case and defines standards. Because DVS also closely cooperates with various institutes and organisations from the field of standardisation, its working results are incorporated into national and international standardisation measures, too. Thus, the set of DVS rules supports and explains, for example, the application of standards in a very successful way close to practical needs.

Service for DVS members

The access to the set of technical rules of DVS with its more than 500 DVS technical bulletins, technical codes and guidelines is free of charge for all the members of the society.

www.dvs-regelwerk.de



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Education and Certification in DVS

High-quality training in joining technology is the top priority in DVS. Therefore, the society pays particular attention to a diverse range of training and further education on offer. The available range and the teaching contents of the DVS educational establishments are refined and updated constantly. This is the task of the Education Committee (AfB) and the Working Group Training and Examination (AG SP) which are responsible for the uniform training and qualification testing materials within the framework of the qualification of specialists and managers dealing with joining technology. The practical training and further education of workers and welders as well as the training of coordinators and managers belong to the comprehensive areas of tasks of the educational establishments authorised by DVS.

DVS PersZert, the personnel certification body of DVS, is principally concerned with ensuring that all the qualification testing and certification measures of DVS meet the most stringent quality demands. These are taken according to defined stipulations and follow both national and international standards. DVS qualifications and qualification tests relating to joining technology are highly regarded on the employment market and an important contribution to the competitiveness of the German economy. In the more than 300 authorised educational establishments all over the country, consideration is given to the proximity to occupational practice, to the requirements of the market, to the newest technological developments and to internationally applicable requirements with regard to the training and the further education.

The work in the „Education and Certification“ Department is very well-known on the international level, too. DVS PersZert is the only body in Germany to be recognised by the International Institute of Welding (IIW) and the EWF – European Federation

for Welding, Joining and Cutting. That entitles DVS as an ANB (Authorized Nominated Body) to carry out training according to the international guidelines of IIW and EWF as well as to issue internationally recognised diplomas and certifications. With the training for „International Welders“, DVS has in the range on offer a qualification which constitutes a unique selling point and is recognised and unrivalled internationally.

Service for DVS members

The poster which is entitled „Career paths in welding technology“ and was developed by DVS portrays the various career stages which can be reached with the aid of the available ranges of DVS teaching. DVS PersZert has taken up the different paths of the qualifications and offers a unique system for lifelong learning in welding technology. The posters in German, English and Arabic can be ordered:

www.dvs-ev.de/poster



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www.dvs-perszert.de
www.dvs-afb.de



THE POLE POSITION FOR YOUR CAREER IS HERE
EDUCATION IN DVS



**EXTEND YOUR NETWORK
BECOME A MEMBER**

Transfer and Network in DVS

The „Transfer and Network“ Department is of central significance to DVS. It not only organises the diverse events of DVS but is also the contact for the around 19,000 members.

Events

DVS uses congresses at home and abroad as well as many specialist events such as conferences, seminars and workshops for promoting the exchange of knowledge and experience between the DVS members and many other interested people in the joining technology sector. In this respect, the world's premier fair, SCHWEISSEN & SCHNEIDEN, and the DVS CONGRESS are permanent fixtures in the calendar of events. The congress traditionally takes place in September and unites various individual events under one roof: For example, the Annual Welding Conference (GST) and the DVS Student Congress are elements of the DVS CONGRESS year in year out. Internationally too, DVS is represented with significant events recognised in the expert world. Particular emphasis should be placed on the International Congress and Exhibition on Aluminium Brazing, the International Conference on Brazing, High Temperature Brazing and Diffusion Bonding (LÖT) and the International Thermal Spray Conference & Exposition (ITSC) which have unique selling points worldwide.

Member Service

Are you interested in a DVS membership and would you like to know something about its advantages? Then, the „Transfer and Network“ Department is the right contact for you. The Member Service is at your disposal for any questions relating to all aspects of the membership.

Here, you receive competent advice about your advantages as a DVS member as well as about the DVS media. Furthermore, the work of those people in honorary capacities in the state and district branches of DVS is supported by the DVS Portal. Moreover, the „Transfer and Network“ Department not only prepares honours for longstanding memberships but also chooses and distributes bonus gifts.

Service for DVS members

No matter whether in working or expert groups, at events, congresses, fairs, workshops or seminars ... There are diverse possibilities for inputting your experiences in DVS, exchanging opinions with other experts in the sector and profiting from the knowledge of others.

Make use of the ranges offered by DVS for knowledge transfer and networking.

www.dvs-ev.de/mitglied



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www.dvs-ev.de/veranstaltungen
www.dvs-ev.de/mitglied

Promotion of youngsters in DVS

DVS places its faith in its youngsters. In the „Transfer and Network“ and „Education and Certification“ Departments, DVS uses many activities in order to arouse the interest of trainees, students and young professionals in joining, cutting and coating. DVS draws their attention to the occupational paths in joining technology and indicates various training and further education possibilities. A separate newsletter for the DVS youngsters regularly provides information about the promotion programmes and projects of DVS.

For many youngsters, the DVS Student Groups offer initial access to the society. Here, students of joining technology can get acquainted with the ranges offered by DVS. No matter whether participation in the popular DVS Practical Workshops or the possibility of presenting their scientific papers to an expert public - DVS helps the specialists of tomorrow to advance themselves and to get acquainted with various facets of the sector. DVS also initiates discussions between them and experts at various events, e.g. at the DVS Student Congress or within the framework of the international „IIW Annual Assembly and International Conference“.

Welding competitions offer motivation and new perspectives for choosing future occupations. The most successful amongst them, the DVS competition „Jugend schweiß“, gives young people the opportunity to prove their skills in four welding processes. Thus, DVS promotes the youngsters' fun and interest in welding. At the same time, it offers a platform for young talents to present themselves to companies and sponsors in a publicly effective way.

Service for DVS members

DVS offers free basic memberships to students and trainees. Thus, they can get acquainted with the technical-scientific work of the society and profit from the many advantages. For example, they can make unrestricted use of the comprehensive portal for the set of rules of DVS. And they receive discounts on visits to specialist events or on learning material and publications.

www.dvs-ev.de/nachwuchs



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www.dvs-ev.de/nachwuchs
www.jugend-schweisst.de



WE PROMOTE TALENTS HERE
YOUNGSTERS IN DVS



KNOW TODAY WHAT WILL CONNECT US TOMORROW SKILLED CRAFTS IN DVS

Skilled Crafts in DVS

The skilled crafts and DVS – they form a powerful alliance which provides mutual support and advances common interests. For years already, DVS has cooperated with the German Confederation of Skilled Crafts (ZDH) when it is a matter of joining, cutting and coating technologies. For this reason, the „Skilled Crafts-DVS“ Coordination Group was founded in 2009 and was extended into a separate department of DVS in 2015.

This alliance consisting of skilled crafts and DVS strengthens the knowledge transfer between both partners. Thus, the research results and technical findings of the DVS work find their way into the skilled crafts and, vice versa, ZDH ensures a practice-oriented insight into the daily working routine in welding technology. Numerous DVS technical bulletins, technical codes and guidelines are available to the skilled crafts businesses during their day-to-day work.

As one of the largest providers of establishments for education and further education, the skilled crafts play an important role in the qualification of specialists. Chambers of crafts, district associations of craftsmen or trade associations are very frequently the providers of the DVS-authorized educational centres at which the training and further education measures are offered. With the inter-company instruction of apprentices (ÜLU), they also safeguard a high-quality level in the training relating to welding and joining technologies.

The innovation prize called „Joining in the Skilled Crafts“ is also one particularly successful example of the cooperation between both organisations. Every two years, ZDH and DVS use it in order to jointly distinguish skilled crafts companies which integrate joining technology into the day-to-day work of their businesses in a particularly innovative way.

As a user-friendly instrument for occupational advice, DVS has designed the brochure entitled „Education paths in welding technology. A navigation system for choosing occupations“. The brochure explains the various occupational profiles in the sector in a simple and comprehensible way and provides information about the different qualification stages and admission prerequisites. Additional value added: The career navigator in the brochure may serve as a guide for discussions during the occupational advice. Starting from the question about any existing previous technical education, the navigation system provides guidance through the various qualification stages and thus opens up a view for the many occupational perspectives in welding technology.

Service for DVS members

A membership of DVS and active participation in its bodies are the best possibility of adjusting the ranges offered by DVS to the needs of the skilled crafts. Help to shape the future of welding and joining technologies in the skilled crafts!

www.dvs-ev.de/handwerk



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The media of DVS

DVS achieves a lot in welding and joining technologies. In order to communicate the newest developments and results from research and technology, from education and certification as well as from the network and the skilled crafts, DVS offers various information media to its members. Here, it publishes research results, sets of rules, teaching media or event notices.

DVS Magazin

In this respect, the free „DVS Magazin“ is available to the DVS members as the most important source of information. The members' magazine appears online and offline three times per year. In a colourful and entertaining form, the magazine provides the members with information about the latest developments from the society, about results from the departments, about trend subjects as well as about dates and events.

www.dvs-ev.de/dvs-magazin

Subject-specific newsletters

Both the newsletters entitled „DVS News“ and „DVS News Nachwuchs“ pass on news from the society in a short and diversified form. A diverse mixture of subjects, also from the state and district branches of DVS, provides an overview of the various activities in the society. Subject-specific information is offered by both the newsletters called „Aktuelles aus Forschung & Technik“ and „Bildung aktuell“. Here, the corresponding departments in DVS introduce their results, their research and education projects as well as their work in the bodies. The newsletters appear every two months.

www.dvs-ev.de/newsletter-anmeldung

Series of „Im Fokus“ brochures

In addition to many different brochures and flyers, DVS concentrates on one main subject in each of its series of „Im Fokus“ brochures which focus on the joint technical-scientific work and indicate the research, technology and education results which are close to practical needs. However, DVS primarily uses this path in order to invite any interested people to participate in the diverse activities in the society.

www.dvs-ev.de/im-fokus

Trade journals and more

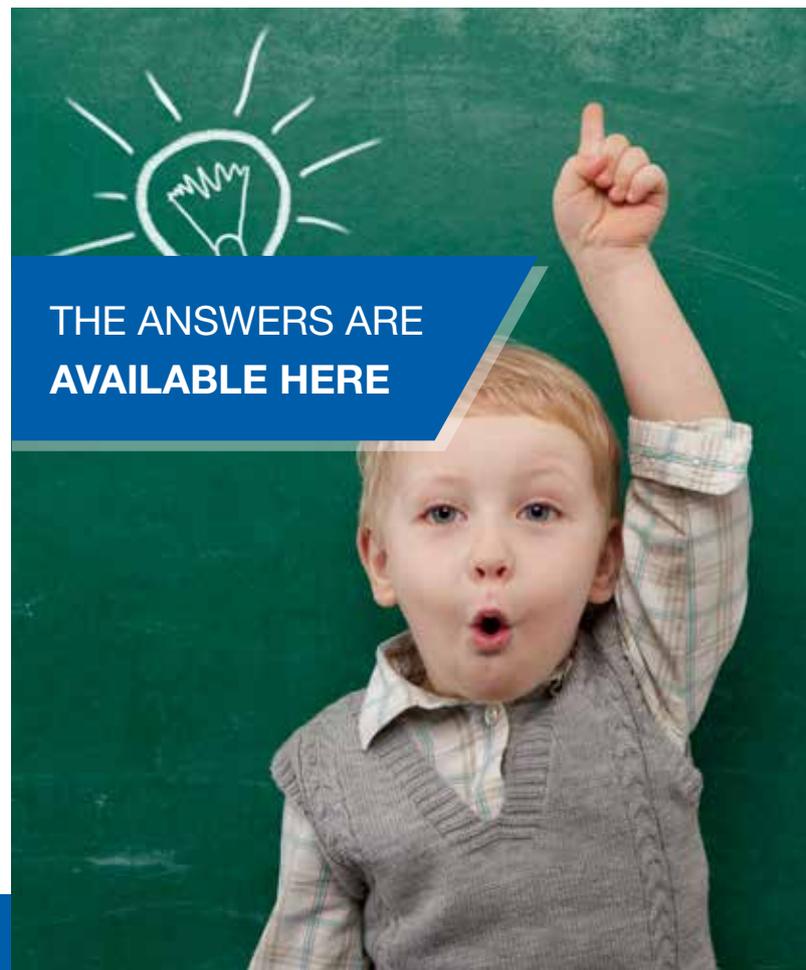
DVS has a wide product range of national and international trade journals. Here, particular mention should be made of SCHWEISSEN UND SCHNEIDEN, DER PRAKTIKER and WELDING AND CUTTING which are produced and distributed by DVS Media GmbH. The trade journals are available as subscriptions and, of course, are cheaper for DVS members. Specialist books and other publications about the various aspects of joining technology are also available from the publishing house.

www.dvs-media.eu

Service for DVS members

Most of media of DVS are free of charge for members. Thus, DVS members are always the first people to gain access to the information from the society. Moreover, members profit from special conditions with regard to the publications from the DVS Media specialist publishing house or to the specified trade journals.

www.dvs-ev.de/medien



THE ANSWERS ARE
AVAILABLE HERE



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Promotion of youngsters

Young professionals

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DVS competition „Jugend schweiß“

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THE TEAM WINS HERE MEMBER OF DVS

Fill in the DVS member application directly online. And thus profit from the many advantages which a DVS membership provides for you as an expert, an entrepreneur, a skilled craftsman, a student or a trainee.

More information? Or do you have any questions? Then, the DVS Member Service is there for you.

www.dvs-ev.de/mitglied



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