



Research Association on Welding and Allied Processes of the DVS

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The Research Association on Welding and Allied Processes (FV) was founded in 1966 as a technical and scientific-oriented society and belongs to the German Welding Society (DVS). FV reached non-profit status in 1977 as a legal autonomous incorporated society.

The FV society membership consists of over 350 enterprises from different branches such as: vehicle construction, metal production, discharge-machining, machinery and equipment, electro-technics, electronics and micro-electronics, additives and materials, constructional-engineering, tank and pipeline construction, production facilities, steel construction (industry), plus all similar branches who are involved in welding and allied processes (e.g. surface technology). Furthermore 8 DVS-own research institutes, 130 public corporations, 40 universities, 10 Fraunhofer Institutes and 11 other public institutes are members of FV. In total, over 560 institutional members are operating at the research field of FV.

The core business of FV is co-operative research and development in all general technologies in the field of joining, cutting and coating in ferrous materials, lightweight metals, materials combinations, synthetics, as well as glass and ceramics. Main focus: applied research.

Regularly in fifteen technical committees representatives of industrial enterprises and the research centres of universities and public facilities are discussing many different research themes in the form of proposals, hence both participant groups benefit from these exchanges of experience. The industrial members resolve, if the targets of the proposals are utilizable in order to implement the research results at the companies.

The fifteen technical committees of DVS Research Association:

FA 1 – Metallurgies and Materials Engineering

FA 2 – Thermal Spraying

FA 3 – Arc Welding

FA 4 – Resistance Welding

FA 5 – Special Welding Processes

FA 6 – Beam Welding Processes

FA 7 – Soldering and Brazing

FA 8 (GA-K) – Adhesive Bonding

FA 9 – Engineering (calculation) and Design

FA 10 – Technique for joining Micro Parts

FA 11 – Joining Plastics

FA 13 – Additive Manufacturing

FA Q6 – Environment, Safety and Health

FA I 2 – Weld Simulation on Application

FA V 4 – Underwater Technology

In this way, these enterprises obtain continual access to the current standard of technical and scientific knowledge. The FV activity, which takes place under one umbrella guarantees an effective way of attending to the vital interests of its Members in this manner, particularly those of the SME members.

DVS FV disseminates the research results via journals and technical magazines, supported by the DVS-own printing house; furthermore by workshops, agendas and many different symposia. Beyond that FV participates at the international welding fair "SCHWEISSEN & SCHNEIDEN" every four years.

On an international level the FV co-operates in close contact with EWF, the European Federation for Welding, Joining and Cutting.