

Explanations of honors and awards (Extracts)

Aachen and Munich Prize for Technique and Applied Natural Sciences

Since 1975, this prize has been conferred annually by the Dr. Carl-Arthur-Pastor-Stiftung on an exceptional academic in the fields of sciences and engineering.

AIAA Fellow

The bestowing of the title of AIAA Fellow is one of the highest academic honors of the internationally renowned American Institute of Aeronautics and Astronautics (AIAA).

Akabori Memorial Award

The Japanese Peptide Society has been awarding this prize biennially since 2000 in memory of chemist Shiro Akabori to honor important contributions to research in life sciences.

American Nuclear Society (ANS)

Fellow Members of the ANS can be named a Fellow for exceptional achievement in nuclear sciences or nuclear energy technology.

Albers-Schönberg-Medal

This medal was donated in 1932 in memory of the co-founder of the German Röntgen Society (Deutsche Röntgengesellschaft, DRG), Heinrich E. Albers-Schönberg (1865-1921). It is awarded by the Deutsche Röntgengesellschaft in recognition of exceptional achievement in radiology diagnostics.

Alexander Graham Bell Medal

This medal was donated by the Alcatel-Lucent Bell Labs (USA) in memory of the inventor of the telephone, Alexander Graham Bell (1847-1922), and has been awarded annually since 1976 by the IEEE Board of Directors for exceptional achievement in communications engineering.

Alwin-Walther-Medal

The information technology and mathematics departments of the Technische Universität Darmstadt, together with the Fraunhofer Institute for Computer Graphics Research, confers the Alwin-Walther-Medaille (medal) biennially on exceptional individuals who have paid great service to science.

Architecture Prize from the Bavarian state capital of Munich

Architecture Prize from the Bavarian state capital of Munich. This prize is awarded every three years, in rotation with the prizes for design and art. It honors exceptional lifetime achievement of a Munich architect or team of architects.

Arthur-Burckhardt-Prize

Arthur Burckhardt – engineer, manager and longtime chair of the board of management of Württembergische Metallwarenfabrik (WMF) – established an eponymous foundation to support the sciences and humanities with the goal of placing more importance on the ethical responsibility of the sciences. The foundation has been awarding the Arthur-

Burkhardt-Prize since 1984 to scientists whose research connects the sciences and humanities.

ASME Fellow

The title of ASME Fellow is the highest academic distinction the internationally renowned American Society of Mechanical Engineers has to bestow.

Auguste Perret Prize

This prize is conferred triennially by the Union International des Architectes (UIA) for applied technology in architecture. It is named after a former president of the UIA, Auguste Perret (1874-1954).

Award from Stiftelsen Riksbankens Jubileumsfond

Since 1965, the Stiftelsen Riksbankens Jubileumsfond (Bank of Sweden Tercentenary Foundation) has conferred research awards on exceptional scientists; since 1994, this prize has also been awarded to academics in the humanities and social sciences.

Award of the of the Society of Hygiene, Environmental and Public Health Sciences (GHUP)

The Society of Hygiene and Environmental and Public Health Sciences (Gesellschaft für Hygiene und Umweltmedizin, GHUP) awards this prize for particular achievement in environmental medicine and hygiene.

Badge of Honor of the Association of German Engineers (VDI)

The Badge of Honor of the Association of German Engineers (Verein Deutscher Ingenieure, VDI) has been awarded since 1948 as a distinction for deserving volunteers at the VDI.

Bavarian Maximilian Order for Science and Art

The Bayerische Maximiliansorden für Wissenschaft und Kunst is conferred by the Bavarian State government for exceptional achievement. This honor has been bestowed 185 times. Nevertheless, there may only be 100 living recipients at any one time. The Order is divided into a section for sciences and a section for arts.

Bavarian Order of Merit

The Bayerischer Verdienstorden is the highest honor for service the Free State of Bavaria can bestow. It is conferred by the Bavarian Minister President as a token of recognition for exceptional service to the Free State of Bavaria.

Bayerischer Architekturpreis and Bayerischer Staatspreis für Architektur

The Bavarian Architecture Prize has been awarded since 2007 by the Bavarian state government and the Bavarian chamber of architects. It honors individuals who have rendered great service to architecture in Bavaria. The prize is conferred biennially on up to three recipients. A single, particularly exceptional achievement may additionally be awarded the Bavarian State Prize for Architecture from the Bavarian state government.

Bayerischer Umweltpreis

The Bayerische Umweltpreis (Bavarian Environment Prize) has been awarded since 1985. It honors exceptional achievement in environmental protection.

Bayerische Verfassungsmedaille

Bavarian Constitution Medal – This was established in 1961 by the then president of the state parliament, Rudolf Hanauer, and is one of the most valuable distinctions conferred by the state of Bavaria. It is awarded annually on Verfassungstag (Bavarian constitution day), 1 December, by the president of the Bavarian parliament to individuals who have given “exceptional” (gold) or “special” (silver) service to the constitution of the state of Bavaria. This distinction was elevated by act of law to the rank of an order in 2011.

Behring-Kitasato-Prize

The Behring-Kitasato Prize was founded by Behring Works AG in 1980 and is awarded biennially by Phillips University Marburg/Lahn for exceptional academic achievement in medicine, veterinary medicine and natural science, particularly for immunology and disease control. It is named after the Nobel Prize winner Emil Adolf von Behring and Japanese physician and bacteriologist Shibasaburo Kitasato, who laid the foundations for serum therapy with their collaborative research from 1890 on.

Bergey Medal

In conferring the Bergey Medal and the Bergey Award, Bergey’s Manual Trust honors individuals who have made an important contribution to bacteriological taxonomy. These awards are funded by the trust together with Springer Verlag. The trust was founded in 1936 in order to ensure the publication of Bergey’s Manual of Determinative Bacteriology.

Boris Rajewski Medal

Since 1972, this annually awarded medal is the highest distinction the European Society of Radiology can bestow. The medal is named after the founder of the ESR, Boris Rajewski (1893-1974).

Burckhardt-Helferich-Award

The Institute for Organic Chemistry at the Universität Leipzig has awarded this prize, which is named after the chemist Burckhardt Helferich (1887-1982) annually for exceptional achievement in bio-organic chemistry.

Cantor Medal

The Cantor-Medal of the Deutsche Mathematiker-Vereinigung is named in honor of Georg Cantor, the first president of the DMV. It is awarded at most every second year. The prize winners are mathematicians who are associated with the German language.

Commandeur de l’Ordre des Palmes Académiques

This is the highest order for service in the French education system that the Republic of France can bestow. It is awarded in the class of Chevalier, Commandeur and Officier.

Dannie Heineman Prize for Mathematical Physics

The American Institute of Physics and the American Physical Society (APS) award this prize annually for important contributions to mathematical physics. Dannie Heineman, electrical engineer and director of the engineering company Sofina, established the prize in 1959. It is considered to be one of the highest distinctions in the world of mathematical physics.

Den Grønne Nål

This prize is conferred on an irregular basis by the Danish Architects' Association in recognition of particular achievement in architecture.

Dieffenbach Medal

Awarded by the Vereinigung der Deutschen Plastischen Chirurgen (Association of German Plastic Surgeons), the Dieffenbach Medal was created by artist Fritz Becker. It was awarded for the first time in 1989 and named after Johann Friedrich Dieffenbach (1792-1847).

Distinguished Educator Award

The award is conferred on a member of the IEEE Microwave Theory and Techniques Society for exceptional teaching in this field.

Distinguished Service Award

This award recognizes an individual who has rendered outstanding service to the European microwave community and, in particular, for the advancement of the European Microwave Association.

EDA-Medal (electronic design automation)

Edacentrum has been presenting this award annually since 2002 in order to recognise the lifetime achievement of an individual who has rendered particular service to electronic design automation.

EDDA Lifetime Achievement Award

The European Design and Automation Association awards this prize annually to an exceptional scientist who has made a lasting mark on the field of electronic design automation.

E. K. Frey - E. Werle Gedächtnismedaille

The E.K. Frey-E. Werle Stiftung, founded by the Henning L. Voigt family, is named after the two scientists who discovered the kallikrein-kinin system, and confers this award on scientists who have made exceptional contributions to the understanding of the kallikrein-kinin system or a related area and thereby exercised significant influence on this field.

Emil-Fischer-Medal

This medal is conferred every two to three years by the German Chemical Society (Gesellschaft Deutscher Chemiker, GDCh) in honor of the Nobel Prize winner Herrmann Emil Fischer (1852-1919) for exceptional work in organic chemistry. The award is considered the highest distinction for organic chemists in Germany.

Emil-von-Behring-Medal

The Emil-von-Behring-Medal has been awarded biennially since 1942 by Phillips University Marburg and is considered to be one of the most important distinctions in the German science world. The medal is named after the German Nobel Prize winner in medicine Emil von Behring and is awarded in his memory to scientists who have rendered particular service to immunobiology and disease control. The €25,000 prize money is sponsored by Novartis Behring.

ERC Advanced Investigators Grant

The European Research Council awards these grants to leading established researchers to support innovative, high-risk projects that open new directions in their respective research fields.

Ernest Solvay Prize

This prize has been conferred biennially since 1982 by the Ernest-Solvay-Stiftung (foundation) on a scientist not working in a commercial research center. Named after the chemist and businessman Ernest Solvay (1838-1922), it awards important achievements in chemical engineering or process engineering.

Ernst-Blickle Award

The Ernst-Blickle Award is one of the most highly endowed of all prizes for individuals in Europe. It is awarded biennially by the SEW (Süddeutsche-Elektromotoren-Werke – South German electric motor works)-Eurodrive Foundation in memory of the longtime managing director of SEW-Eurodrive GmbH and Co KG, Ernst Wilhelm Blickle, for outstanding scientific achievement in business and technology.

European Award for Architecture and Technology

This highly endowed prize was conferred in 2003 and 2006 by Messe Frankfurt GmbH for exceptional international achievement in architecture and engineering.

Feldberg Award

The Feldberg Foundation was established by Wilhelm Feldberg in 1961 to foster professional dialogv between medical researchers in Germany and England. This annual award honors one German and one English scientist for outstanding scientific achievement.

Ferdinand Cohn Medal

The Ferdinand Cohn Medal is given in honor of Ferdinand Cohn, the founder of systematic bacteriology, by the Deutsche Gesellschaft für Hygiene und Mikrobiologie e. V. (German Society of Hygiene and Microbiology), and is awarded annually for exceptional scientific achievement.

First Rosa Barba European Landscape Prize

The Rosa Barba European Landscape Prize is awarded at the European Biennial of Landscape Architecture in Barcelona. It is funded by Spanish academic organizations in order to support landscape architecture in Spain.

Fresenius-Prize

The German Chemical Society (Gesellschaft Deutscher Chemiker, GDCh) founded this prize in 1961 in memory of the chemist C. Remigius Fresenius (1818-1897). The prize is bestowed on individuals who have rendered particular service to scientific development and have furthered the field of analytical chemistry.

Friedrich-Ludwig-von-Sckell-Ring of Honor

The Bavarian Academy of Fine Arts honors outstanding landscape architects with the biannual Sckell Ring. The award is named after the landscape architect Friedrich Ludwig von Sckell (1750-1823; designer of the English Garden in Munich).

Friedrich-Robert-Helmert-Gedenkmünze

The Friedrich-Robert-Helmert-honorary-medal from the Society for Geodesy, Geoinformation and Land Management (Gesellschaft für Geodäsie, Geoinformatik und Landmanagement, DVW) is awarded to notable geodetic scientists at very special events. It is the highest honor the DVW has to bestow, and has been awarded only 13 times since 1871.

Fritz-Schumacher-Prize

This prize is awarded triennially in memory of the Werkbund (German Work Federation) architect Fritz Schumacher (1869-1947) by the Hamburg Senate and the Alfred Toepfer Stiftung F.V.S. by mutual agreement with the Fritz-Schumacher-Gesellschaft (Fritz Schumacher Society).

General Pierre Nicolau Award

The CIRPE – International Academy for Production Engineering – confers this award in memory of its founder. The prize is awarded annually to individuals who have made important contributions to production technology.

Georg-Schlesinger Prize

The Georg-Schlesinger prize is named after the founder of modern scientific research in business and manufacturing engineering. It has been awarded every three years since 1979 to honor exceptional achievement in manufacturing engineering that makes a social or humanitarian contribution.

German Cancer Aid Award

The German Cancer Aid Award is the highest distinction German Cancer Aid can bestow. It dates from an inheritance German Cancer Aid received in 1995 and is conferred annually.

German Federal Cross of Merit (Verdienstorden der Bundesrepublik Deutschland)

The German Federal Cross of Merit is awarded for achievements in the areas of politics, economics, culture, humanities or voluntary service. The following classes of the order may be bestowed: Verdienstmedaille (Medal of Service), Verdienstkreuz am Band (Cross of Service on a Ribbon), Verdienstkreuz I. Klasse (Cross of Service 1st Class) and Großes Verdienstkreuz (Grand Cross of Service).

Global Award for Sustainable Architecture

The Locus Foundation and the Cité de l'architecture & du patrimoine Paris award this annual prize, which was established in 2007 by architect Jane Revedin, to five architects in order to honor innovative planning that is both socially responsible and ecologically sustainable.

Gold Honorary J. Heyrovský Medal

Named after the Czech Nobel Prize winner Jaroslav Heyrovský, this medal is awarded by the Academy of Sciences of the Czech Republic for special achievement in chemistry.

Grashof-Denk Münze

This is the highest honor the Association of German Engineers (Verein deutscher Ingenieure, VDI) has to bestow. The Grashof Honorary Medal is named after the co-founder and first director of the VDI, Franz Grashof. It was established in 1894 and has since then been awarded to engineers who have made outstanding scientific or professional contributions to engineering.

Green Good Design Award

The European Center for Architecture Art Design and Urban Studies, together with the Chicago Athenaeum: Museum of Architecture and Design, presents this award for visionary concepts on ecological sustainability.

Georg C. Laurence Pioneering Award

The award was established in 1988 by the Nuclear Installations Safety Division (NISD) to recognize lifetime achievements in the development of reactor safety philosophy. These are individuals who have made outstanding pioneering contributions to the field of nuclear reactor safety.

Gold Medal of the Association of German Architects (BDA)

Since 1964, this gold medal is conferred triennially, along with the Grand Prize of the Association of German Architects (Bund Deutscher Architekten, BDA), for important achievements in architecture or urban development.

Gold Medal from the British Royal Aeronautical Society

The Royal Aeronautical Society has been honoring outstanding achievers in the global aerospace industry since 1909. Since 2004 the Society has also periodically awarded team medals (Gold, Silver, and Bronze) for exceptional or groundbreaking team work in aeronautical research and development.

Gottfried Wilhelm Leibniz Prize

This prize is the most highly endowed German grant from the German Research Foundation (Deutsche Forschungsgemeinschaft, DFG) for exceptional, cutting-edge research. It is named after the great philosopher, polymath and mathematician Gottfried Wilhelm Leibniz (1646-1716). Up to ten prizes may be awarded annually.

Grande Médaille de l'Urbanisme

This medal is conferred by the internationally renowned Académie d'Architecture (France) for exceptional achievement in architecture.

Grande médaille d'or from the Académie d'architecture

This medal is the highest distinction the internationally renowned Académie d'Architecture (France) has to offer. It is awarded for particularly excellent achievement in architecture.

Hall of Fame of German research

The German research Hall of Fame was created in 2009 by manager magazin. Scientists who have demonstrated outstanding lifetime achievement in the further development of German research are accepted annually into the Hall of Fame. The twostep acceptance procedure begins with the nomination by a board of professionals, after which an independent judging panel of leading scientists choose the winner. The purpose of the Hall of Fame is to improve communication between science and business in Germany as well as publicising the chosen researchers' success.

Hans Herloff Inhoffen Prize

Named after the chemist Hans Herloff Inhoffen (1906-1992), this prize for scientists is awarded by Schering AG. The German Chemical Society (Gesellschaft Deutscher Chemiker, GDCh) accepts the applications for it.

Hans-Kudlich-Award, Ecosocial Forum Austria

The ecosocial forum of Austria awards this prize in memory of Hans Kudlich (19th-century political activist who worked to end feudalism and forced servitude in Austria) for special contributions to rural areas.

Hanns Langendorff Prize

The Hanns Langendorff Foundation awards the eponymous medal and prize together with the German society for medical radiation protection (Deutsche Gesellschaft für Medizinischen Strahlenschutz). The has been conferred since 1979 in memory of Hanns Langendorff on young scientists active in radiation biology and radiation protection.

Hanns Martin Schleyer-Prize

On the occasion of the fifth anniversary of the death of Hanns Martin Schleyer, Daimler Benz AG (today: Daimler AG) founded this prize in 1982 to honor exceptional "services for the consolidation and support of the foundation of a free commonwealth". The annual conferral of the prize as well as the choice of winners was transferred to the Hanns Martin Schleyer Foundation.

Heinz Maier-Leibnitz Medal of TUM

This award is named after Prof Heinz-Maier Leibnitz (1911- 2000), the father of German neutron physics and one of the most important scientists at the Technische Universität München. This distinction has been awarded since 1997 by TUM for exceptional academic service.

Herbert-Höhler-Needle

This needle – in honor of Herbert Höhler, pioneer of cosmetic surgery in Germany – has been awarded since 2004 by the Association of German cosmetic and plastic surgeons (Vereinigung der Deutschen Ästhetisch Plastischen Chirurgen, VDÄPC) for outstanding contributions to cosmetic surgery.

Honorary Needle from the Association of German Engineers (VDI)

Honorary needle from the Association of German Engineers (Verein deutscher Ingenieure, VDI) – this needle was conferred for the first time in 1860 as an expression of honorary membership of the VDI and it is a distinction for individuals who have rendered particular service to the VDI and the vocation of engineering.

Honorary Needle from the German Association of water management, waste water and waste

Honorary needle of the German Association of water management, waste water and waste – this needle is awarded annually to deserving association members.

Honorary needle from the German Society for Aeronautics and Astronautics (DGLR)

This honorary needle from the German Society for Aeronautics and Astronautics (Deutsche Gesellschaft für Luft und Raumfahrt, DGLR) is awarded “for outstanding service of a team toward the development of aeronautics”.

HUPO Distinguished Achievement Award in Proteomics

The Human Proteome Organization awards this prize to scientists to honor their outstanding contribution to proteomics.

IEEE Fellow

Receiving the title of IEEE Fellow is the highest academic honor the internationally renowned Institute of Electrical and Electronic Engineers has to bestow. This honor is conferred annually on no more than 0.1 per cent of the IEEE members.

International Architecture Award

These renowned prizes were established by the Chicago Athenaeum: Museum for Architecture and Design in 2005 to recognize globally outstanding works in contemporary architecture, landscape architecture, interiors and urban planning. The awards are conferred by the Chicago Athenaeum: Museum of Architecture and Design and the European Center for Architecture Art Design and Urban Studies.

International E.H. Armstrong-Award

This distinction is awarded annually by the IEEE Communications Society to members who have contributed exceptional achievement in communications technology. It was founded and is funded by the Armstrong Memorial Research Foundation in memory of the American inventor and electrical engineer E.H. Armstrong (1890-1954).

Josef Rudinger Award

The European Peptide Society biennially confers this prize in honor of the chemist Josef Rudinger (1924-1974) for exceptional professional achievement in peptide chemistry.

Karl Heinz Beckurts Prize

The Karl Heinz Beckurts Foundation awards this prize for exceptional scientific and technical achievements that have inspired industrial innovation in Germany. The foundation was established in 1978 by the Hermann von Helmholtz Society of German Research Centers (Hermann von Helmholtz Gemeinschaft deutscher Forschungszentren) in memory of the physicist and businessman Karl Heinz Beckurts (1930-1986).

Karl-Küpfmüller-Prize

This prize is awarded every four years by the IT Society (Informationstechnische Gesellschaft) in the Association for Electrical, Electronic and Information Technologies (Verband der Elektrotechnik, Elektronik, Informationstechnik e. V., VDE). It is conferred on an academic in honor of the engineer Karl Küpfmüller as the highest academic distinction the society can bestow.

Keilin Medal

The awards committee selects a lecturer to deliver the annual Keilin Memorial Lecture on a topic selected also by them. The award has been conferred since 1964 in honor of the British biologist David Keilin on scientists working in bioenergetics, electron transfer and mitochondrial biology.

Körber European Science Prize

The Körber European Science Prize honors outstanding and excellent scientists working in Europe. The prize is awarded to research projects that show great potential for possible application and international impact.

Leo von Klenze Medal

This medal has been awarded since 1996 by the supreme building authority of the Bavarian State Ministry of the Interior for exceptional achievement in architecture, home and urban construction as well as civil engineering. It commemorates the architect Leo von Klenze (1784-1864).

Leonard Eisenbud Prize for Mathematics and Physics

The American Mathematical Society (AMS) has been presenting this prize in honor of Leonard Eisenbud (1913-2004) every three years since 2008 for outstanding scientific achievement that brings mathematics and physics closer together.

Leonardo da Vinci Award

The American Society of Mechanical Engineers (ASME) has been awarding this prize annually since 1978 for outstanding achievement in the development or discovery of a product considered an important advancement in machine design.

Linus Pauling Medal

This medal is awarded by the American Chemical Society for outstanding achievement in chemistry. The award was named after its first recipient, chemist Linus Pauling (1901-1994), a two time Nobel Prize winner.

Ludwig-Prandtl-Ring from the DGLR

This is the highest award the German Society for Aeronautics and Astronautics (Deutsche Gesellschaft für Luft- und Raumfahrt, DGLR) has to confer. It is awarded for “outstanding individual work in aerospace sciences in all disciplines”.

Lwoff Award

The Federation of European Microbiological Societies (FEMS) has been conferring this award since 2000 on individuals who have made important contributions to microbiology in Europe. The award is named for the first president of FEMS: André M. Lwoff.

Marian Smoluchowski-Emil Warburg Physik Prize

The Polish and German physical societies jointly award this prize for outstanding contributions to pure or applied physics. The award honors the memory of Polish physicist Marian Smolouchowski and German physicist Emil Warburg. It is dedicated to a Polish and German physicist respectively every two years on an alternating basis.

Max-Bergmann Medal

The Max Bergmann Circle (Max Bergmann Kreis, MBK) for the support of research in peptide chemistry exists since 1980. It confers the Max Bergmann medal for Peptide Chemistry on an exceptional exponent of international research. The medal commemorates the chemist Max Bergmann (1886-1944).

Max Jakob Memorial Award

This prize – named after the pioneer of the science of heat transfer, Max Jakob (1879-1955) – has been awarded annually by the American Society of Mechanical Engineers (ASME) since 1961 in recognition of extraordinary achievement in this field.

Max-Planck-Medal

This medal is the highest honor the German Physical Society (Deutsche Physikalische Gesellschaft, DPG) can bestow for exceptional achievement in theoretical physics. It has been awarded annually since 1929 for contributions that stem from the work of physicist Max Planck (1858-1947).

Max Planck Research Award

The Max Planck Research Award for international co-operation supports German and international scientists who are already recognized in their field and from whom further exceptional scientific work, within the scope of international collaboration, can be expected. Alternating by year, the Max Planck Research Award is awarded to the area of natural and engineering sciences, life sciences or the humanities. The Federal German Ministry of Education and Research makes funding for this program available to the Max Planck Society and the Alexander von Humboldt Foundation.

Max Tishler Prize

Harvard University's Department of Chemistry and Chemical Biology presents this award in memory of US pharmacologist Max Tishler (1906-1989) to scientists who have made exceptional achievements in chemistry.

Mechanics and Control of Flight Award

The American Institute of Aeronautics and Astronautics confers this award annually for exceptional achievement in the flight control and guidance of aerospace transport systems.

Medal "München leuchtet – Den Freunden Münchens"

Munich, the capital of Bavaria, has been presenting this official award, "Munich shines – for friends of Munich", in gold, silver and bronze since 1961 to honor special contributions to Munich

Mies van der Rohe Award

The Mies van der Rohe Award for European Architecture was established in 1987 by the European Commission, the European Parliament and the Mies van der Rohe Foundation in Barcelona. It commemorates the architect Mies van der Rohe (1886-1969) and is conferred every two years.

Nobel Prize

Founded by the Swedish inventor and industry magnate Alfred Nobel, this prize has been awarded annually on 10 December – the date he died – since 1901. Nobel left his fortune to a foundation so that the interest could be used to award "prizes to those who, during the preceding year, shall have conferred the greatest benefit to mankind". He designated that the money should be distributed among five fields: chemistry, physics, physiology or medicine, literature and the promotion of peace. The Nobel Prize is still considered to be the world's highest honor in all of those areas. Since 1968, together with the Nobel Prizes, the Swedish Riksbank also awards a prize in memory of Alfred Nobel for business studies.

Order of the White Rose

The Order of the White Rose is the highest accolade Finland has to bestow and is awarded in classes such as the Grand Cross, Commander and Commander 1st Class, Knight and Knight 1st class. It was established in 1919 and honors Finnish or international citizens for civilian service to Finland. During time of war it can also be awarded for courage in the face of the enemy.

Ordre de la Légion d'honneur

The French Legion of Honor is the highest distinction of the Republic of France. It is conferred to distinguish particular achievement in politics, economics, sciences and culture and is awarded in the following classes: Chevalier, Officier, Commandeur, Grand Officier, Grand-croix, Grand Maître.

Otto Bayer Award

Established in 1984, the Otto Bayer Award was funded by Prof. Dr. Otto Bayer (1902-1982), who was for many years the director of research at Bayer AG. It is conferred

biennially by the Bayer Science and Education Foundation on a scientist for exceptional research achievements in directional areas of chemistry and biochemistry.

Otto Hahn Prize

The city of Frankfurt/Main funded this award in memory of its honorary citizen and Nobel Prize winner Otto Hahn (1879-1968). Since 2005, it has been awarded to a scientist biennially in collaboration with the German Chemical Society (Gesellschaft Deutscher Chemiker, GDCh) and the German Physical Society (Deutsche Physikalische Gesellschaft, DPG).

Otto-Lilienthal-Medal

The Otto-Lilienthal-Medal is awarded by the German Society for Aeronautics and Astronautics (Deutsche Gesellschaft für Luft und Raumfahrt, DGLR) “for exceptional scientific achievement in engineering, in product implementation or design in aeronautics”.

Otto Lilienthal Prize

The honor of this prize has been awarded since 2004 by the state of Berlin-Brandenburg in memory of Otto Lilienthal (1848-1896), entrepreneur, scientist and pioneer of scientific aerodynamics.

Otto Warburg Medal

The Otto Warburg Medal has been awarded by the Society for Biochemistry and Molecular Biology (Gesellschaft für Biochemie und Molekularbiologie, GBM) since 1963 for outstanding achievement in biochemistry. The award is named after the German biochemist and physiologist Otto Warburg, who was awarded the Nobel Prize in 1931 for physiology or medicine. Awarded annually, the medal is considered to be one of the highest hon-ors in German biochemistry. To date, seven winners of the Otto Warburg Medal were later also awarded a Nobel Prize.

Philip Morris Research Award

This research award was awarded from 1982 to 2007 first by the German subsidiary of the tobacco corporation Philip Morris, then from 1988 by the Philip Morris Foundation, created for this purpose. It honored exceptional scientific work.

Pioneer Award

The IEEE Microwave Theory and Techniques Society confers the Microwave Pioneer Award to honor outstanding, ground-breaking scientific achievement that has furthered its respective field. The publication of the discoveries should predate the bestowal of the award by at least 20 years.

Place Planning Award

The Environmental Design Research Association (EDRA) has been conferring Great Places Awards in the categories of planning, design, research and books since 1998 to outstanding design projects.

Premio Architettura Rivelate

The chamber of architecture in Turin has been awarding the Premio Architettura Rivelate – award for displayed architecture – to works of contemporary architecture in

and around Turin that help improve their environment. A sign on the award-winning buildings informs the public of these examples of good architecture.

Prize of the Federation of German Landscape Architects (BDLA)

The Association of German Landscape Architects (Bund Deutscher Landschaftsarchitekten, BDLA) bestows this award biennially to distinguish projects and their creators in the areas of contemporary socially and ecologically orientated open spaces and landscape planning.

Prize of the Information Technology Society (ITG) in the VDE

The Information Technology Society (Informationstechnische Gesellschaft, ITG) in the Association for Electrical, Electronic and Information Technology (Verband Elektrotechnik, Elektronik, Informationstechnik e. V., VDE) confers this award annually on its members for exceptional academic publications on information technology.

Pro Meritis-Medal

Up to fifteen individuals may be presented with this medal from the Bavarian Minister of Sciences, Research and Arts. It has been awarded annually since 1999 for exceptional work within the fields governed by this ministry.

Pro Meritis SCIENTIAE ET LITTERARUM Award

The Pro Meritis SCIENTIAE ET LITTERARUM has been awarded annually since 2000 by the Bavarian Ministry of Sciences, Research and Arts to no more than eight individuals who have provided exceptional service in the areas of research, culture, sciences and the arts.

Ring of Honor of the Association for Electrical, Electronic and Information Technologies (VDE)

The VDE-Ring of Honor – the highest distinction awarded by the Association for Electrical, Electronic and Information Technologies (Verband der Elektrotechnik, Elektronik und Informationstechnik e. V., VDE) – is awarded for exceptional scientific and technical achievement, which has provided fundamental new knowledge to electrical engineering or has significantly furthered the field either scientifically or technically.

Ritter-von-Gerstner-Medal

Named after German-Bohemian mathematician and physicist Franz Joseph Ritter von Gerstner, this medal has been awarded by the Sudeten-German Territory Association (Sudentendeutsche Landsmannschaft) since 1976 to deserving scientists with a Sudeten-German background.

Röntgen Medal from the city of Remscheid

This badge, funded since 1951 by the city of Remscheid, is conferred annually on individuals who have rendered outstanding services in the advancement and circulation of Wilhelm Conrad Röntgen's discoveries in theory and in practice.

Royal College of Surgeons of Edinburgh

The Edinburgh Royal College of Surgeons was founded in 1505 and is one of the oldest associations of surgeons in the world.

Rudolf Pichlmayr-Medaille

This medal is an honor bestowed by the German Society of General and Visceral Surgery (Deutsche Gesellschaft für Allgemein-und Viszeralchirurgie, DGAV) and is awarded to individuals who have provided exceptional service for the DGAV. It commemorates the surgeon Rudolf Pichlmayr (1932-1997).

Schweighofer Main Prize

The Schweighofer Prize is donated by the Austrian Schweighofer family, who has been engaged in the European woodworking industry for generations. The Schweighofer Prize awards innovative ideas, technologies, products and services in order to strengthen the competitiveness of the European Forest Based Sector. The Main Prize awards people who have shown outstanding performance for the European Forest Based Sector over an extended period of time. The Main Prize is endowed with € 100,000.–

Sebastian-Kneipp-Award

The Sebastian-Kneipp-Foundation (Sebastian-Kneipp-Stiftung) awards this prize for scholarly works that present new findings about Kneipp therapy in medical and pharmaceutical sciences and research.

Senior Research Award of the European Association of Structural Dynamics

The European Association for Structural Dynamics has been conferring a junior and senior research award since 2005 on members or participants in its conference. The prizes are awarded every three years in three respective categories to honor outstanding and sustainable professional discoveries.

Science Prize of the Information Technology Society (ITG)

This prize honors outstanding personal or technical/scientific achievements that either contribute to a substantial expansion of basic knowledge in communications and information technology, or have decisively supported the scientific or technological aspect of information technology as part of a large body of work. Presented every four years, it awards the recipient €5,000. This prize honors outstanding personal or technical/scientific achievements that either contribute to a substantial expansion of basic knowledge in communications and information technology, or have decisively supported the scientific or technological aspect of information technology as part of a large body of work. Presented every four years, it awards the recipient €5,000.

Silber Medal of Honor, Salzburg state

This medal of honor from the state of Salzburg is, along with the Ring of the state of Salzburg, one of the state's highest honors. The award was issued in seven classes until 2007 (Grand Cross; Great, Golden, Silver Medal; Gold and Silver medal of service). After 2007, the five lowest levels were replaced by the medal of honor, grand service medal and the service medal.

Silver Commander's Cross for services to Lower Austria

The Silver Commander's Cross for services rendered to the state of Lower Austria is the most significant honor that the federal state of Lower Austria has to bestow. The prize is awarded in three classes (cross, star, medal) and 12 levels.

Sir Hans Krebs Medal

The Sir Hans Krebs Lecture and Medal are endowed by the Lord Rank Center for Research and are awarded for outstanding achievements in biochemistry and molecular biology. The award winner presents a plenary lecture during the annual Federation of European Biochemical Societies (FEBS) conference.

Society Award of the Information Technology Society (ITG)

As a member organization of the Association for Electrical, Electronic and Information Technologies (Verband der Elektrotechnik, Elektronik, Informationstechnik e. V., VDE) the ITG has been con-ferring this award every four years since 2008 for exceptional achievement in the field.

Soldnermedaille of the Bavarian State Ministry of Finance

The Bavarian State Ministry of Finance awards the Soldner medal for special service to the Bavarian surveying authority.

Staatsmedaille für Verdienste um Umwelt und Gesundheit des Freistaats Bayern (State medal for services to the environment and health of the free state of Bavaria)

This award was conferred annually between 2004 and 2008 by the Bavarian State Ministry for the Environment and Health. Up to 30 individuals could receive this award for services rendered to protect the environment, health or consumers. In 2009, this award was separated into two distinct prizes: the Bayerische Staatsmedaille für Verdienste um die Umwelt and the Bayerische Staatsmedaille für Verdienst um die Gesundheit (Bavarian state medals for services to the environment/to health).

Staatsmedaille in Gold from the Bavarian State Ministry of Nutrition, Agriculture and Forestry

The Bavarian Ministry of Food, Agriculture and Forestry has been awarding this medal in gold, silver and bronze since 1951 for exceptional achievement in nutrition, agriculture and forestry.

Steel Innovation Prize

The Steel Innovation Prize has been awarded every three years since 1989 by the Stahl-Informations-Zentrum (a conglomerate of steel producing and processing companies). The award is designed to support innovation in steel products and help make them well known. It is conferred in four different categories.

Stern-Gerlach-Prize

As the highest honor the German Physical Society (Deutsche Gesellschaft für Physik) can bestow, this medal is awarded for exceptional achievement in experimental physics. It covers work in all areas of physics and named after the physicists Otto Stern (1888-1969) and Walther Gerlach (1889-1979).

Stockholm Water Prize

Established by the Stockholm Foundation in 1990, the Stockholm Water Prize (known also as the "Water Nobel Prize") is awarded annually for exceptional achievement in

hydraulic research and management as well as corresponding initiatives and public works.

Thannhauser-Medal and Thannhauser-Prize

The Thannhauser-Medal and Thannhauser-Prize are awarded respectively every two years (in alternation) by the German Society of Digestive and Metabolic Disorders (Deutsche Gesellschaft für Verdauungs- und Stoffwechselkrankheiten, DGVS) at the society's annual conference. The medal and prize commemorate Siegfried Thannhauser (1885-1962), who was a doctor of internal medicine and an academic.

Tiroler Adlerorden in Gold

The gold Tyrolean Order of the Eagle honors individuals whose visit or stay in Tyrol or excellent friendly relationship to the state of Tyrol has a special political, economic or cultural significance for the state of Tyrol. There are three classes of the order: Großer Tiroler Adler-Orden (Grand Tyrolean Order of the Eagle), Tiroler Adler-Orden in Gold and Tiroler Adler-Orden in Silber (Tyrolean Order of the Eagle in gold and silver).

Tomassoni Prize

The Premio Felice Pietro Chisesi e Caterina Tomassoni is conferred annually by La Sapienza University, Rome on important international academics of physics.

Tommy Thompson Award for Reactor Safety

This prize has been awarded since 1980 by the Nuclear Society's Nuclear Installations Safety Division (formerly Nuclear Reactor Safety Division) in order to honor individuals who have rendered particular service to reactor safety. It is awarded as a memorial to Theos J. "Tommy" Thompson in recognition of his significant contributions to nuclear reactor safety.

Triangle d'or of the ENPC

Triangle d'or of the ENPC (École Nationale des Ponts et Chaussées), one of the French "Grandes Écoles" for construction engineering, awards this distinction for particular professional achievement.

Unternehmer-Ehrenzeichen of the Kuratorium der Bayerischen Wirtschaft

The Board of Trustees of Bavarian Commerce awards this distinction on an irregular basis to individuals who have rendered particular service to the Bavarian economy.

Vening Meinesz Medal

This medal has been awarded by the European Geophysical Society since 1997 in memory of Vening Meinesz's scientific achievements and outstanding research in geodesy.

Verdienstorden für Kunst und Wissenschaft of the Republic Austria

This medal for service in arts and sciences is the highest accolade the Republic of Austria has to confer for achievements in the sciences or arts in Austria or internationally.

Vincent du Vigneaud Award

The American Peptide Society awards this prize biennially for exceptional achievement in peptide research. The award is named after Nobel Prize winner in Chemistry Vincent du Vigneaud (1901-1978).

Werner-Heisenberg-Medal

This medal, awarded by the Alexander von Humboldt Foundation, is named after its longtime president (1953-1975), physicist and Nobel Prize winner Werner Heisenberg.

Willis E. Lamb Award for Laser Science and Quantum Optics

This award is sponsored by the Physics of Quantum Electronics (PQE) conference and presented at its annual winter colloquium. The prize honors outstanding scientific achievement in its field, and is named after the 1955 Nobel Prize winner in Physics, Willis E. Lamb.

Wolfgang Ostwald Prize

The Deutsche Kolloid-Gesellschaft (colloid society) awards this prize to scientists for outstanding lifetime achievement in pure or applied colloid science. The award is named after the scientist Wolfgang Ostwald (1883-1943).