



上海交通大学

SHANGHAI JIAO TONG UNIVERSITY



1896

1920

1987

2006

IREG List of International Academic Awards

Center for World-Class Universities

Shanghai Jiao Tong University

Shanghai, China

January 20, 2015



Awards in Multidisciplinary Fields

| Award Name | Awarding Organization | Reputation Score |
|--|---|-------------------------|
| Kyoto Prize in Basic Sciences | The Inamori Foundation (Japan) | 0.66 |
| Japan Prize | The Japan Prize Foundation | 0.66 |
| Albert Einstein World Award of Science | World Cultural Council | 0.51 |
| King Faisal International Prize in Science | The King Faisal Foundation (Saudi Arabia) | 0.50 |
| Max Planck Research Award | Alexander von Humboldt-Stiftung Foundation and the Max Planck Society (Germany) | 0.49 |
| Balzan Prizes | International Balzan Prize Foundation (Italy) | 0.47 |



Awards in Life Sciences and Medicine

| Award Name | Awarding Organization | Reputation Score |
|--|---|------------------|
| Nobel Prize in Physiology or Medicine | Karolinska Institutet (Sweden) | 1.00 |
| Albert Lasker Basic Medical Research Award | Albert and Mary Lasker Foundation (United States) | 0.72 |
| The Canada Gairdner International Award | The Gairdner Foundation (Canada) | 0.60 |
| Lasker-DeBakey Clinical Medical Research Award | Albert and Mary Lasker Foundation (United States) | 0.60 |
| The Shaw Prize in Life Science and Medicine | The Shaw Prize Foundation (Hong Kong, China) | 0.60 |
| The Canada Gairdner Global Health Award | The Gairdner Foundation (Canada) | 0.58 |
| Wolf Prize in Medicine | Wolf Foundation (Israel) | 0.56 |
| The Kavli Prize in Neuroscience | The Norwegian Academy of Science and Letters | 0.55 |
| Crafoord Prize in Biosciences | The Royal Swedish Academy of Sciences | 0.52 |



Awards in Natural Sciences - Astronomy

| Award Name | Awarding Organization | Reputation Score |
|--|---|------------------|
| Crafoord Prize in Astronomy | The Royal Swedish Academy of Sciences | 0.77 |
| The Kavli Prize in Astrophysics | The Norwegian Academy of Science and Letters | 0.72 |
| The Shaw Prize in Astronomy | The Shaw Prize Foundation (Hong Kong, China) | 0.70 |
| The Gold Medal for Astronomy | Royal Astronomical Society (United Kingdom) | 0.64 |
| The Bruce Medal | Astronomical Society of the Pacific (United States) | 0.58 |
| Dannie Heineman Prize for Astrophysics | American Institute of Physics and American Astronomical Society | 0.52 |



Awards in Natural Sciences - Chemistry

| Award Name | Awarding Organization | Reputation Score |
|--------------------------------|--|------------------|
| Nobel Prize in Chemistry | The Royal Swedish Academy of Sciences | 1.00 |
| Wolf Prize in Chemistry | Wolf Foundation (Israel) | 0.74 |
| Priestley Medal | American Chemical Society | 0.68 |
| Welch Award in Chemistry | The Welch Foundation (United States) | 0.60 |
| NAS Award in Chemical Sciences | National Academy of Sciences (United States) | 0.52 |
| Faraday Lectureship Prize | Royal Society of Chemistry (United Kingdom) | 0.51 |



Awards in Natural Sciences - Earth Sciences

| Award Name | Awarding Organization | Reputation Score |
|-------------------------------------|--|------------------|
| Crafoord Prize in Geosciences | The Royal Swedish Academy of Sciences | 0.85 |
| Wollaston Medal | The Geological Society of London | 0.66 |
| The Gold Medal for Geophysics | Royal Astronomical Society (United Kingdom) | 0.65 |
| Penrose Medal | Geological Society of America | 0.64 |
| The Vetlesen Prize | Columbia University's Lamont-Doherty Earth Observatory (United States) | 0.62 |
| Arthur L. Day Prize and Lectureship | National Academy of Sciences (United States) | 0.57 |
| Arthur L. Day Medal | Geological Society of America | 0.56 |



Awards in Natural Sciences - Mathematics

| Award Name | Awarding Organization | Reputation Score |
|---|--|------------------|
| The Abel Prize | The Norwegian Academy of Science and Letters | 0.97 |
| Fields Medal | International Mathematical Union | 0.95 |
| Wolf Prize in Mathematics | Wolf Foundation (Israel) | 0.84 |
| Crafoord Prize in Mathematics | The Royal Swedish Academy of Sciences | 0.78 |
| The Shaw Prize in Mathematical Sciences | The Shaw Prize Foundation (Hong Kong, China) | 0.77 |
| Rolf Nevanlinna Prize | International Mathematical Union | 0.75 |
| NAS Award in Mathematics | National Academy of Sciences (United States) | 0.53 |
| Rolf Schock Prize in Mathematics | The Royal Swedish Academy of Sciences | 0.52 |
| Bôcher Memorial Prize | American Mathematical Society | 0.50 |



Awards in Natural Sciences - Physics

| Award Name | Awarding Organization | Reputation Score |
|--|---|------------------|
| Nobel Prize in Physics | The Royal Swedish Academy of Sciences | 1.00 |
| Wolf Prize in Physics | Wolf Foundation (Israel) | 0.72 |
| Isaac Newton Medal | Institute of Physics (United Kingdom) | 0.57 |
| Max Planck Medal | German Physical Society | 0.56 |
| Breakthrough Prize in Fundamental Physics | The Fundamental Physics Prize Foundation (United States) | 0.55 |
| Dannie Heineman Prize for Mathematical Physics | American Physical Society & American Institute of Physics | 0.54 |
| Lorentz Medal | The Royal Netherlands Academy of Arts and Sciences | 0.54 |
| Henri Poincaré Prize | International Association of Mathematical Physics | 0.50 |



Awards in Engineering - Cross-disciplinary

| Award Name | Awarding Organization | Reputation Score |
|---------------------------------------|---|------------------|
| Kyoto Prize in Advanced Technology | The Inamori Foundation (Japan) | 0.63 |
| The Kavli Prize in Nanoscience | The Norwegian Academy of Science and Letters | 0.62 |
| Charles Stark Draper Prize | National Academy of Engineering (United States) | 0.56 |
| Queen Elizabeth Prize for Engineering | The Queen Elizabeth Prize for Engineering Foundation (United Kingdom) | 0.51 |
| Millennium Technology Prize | Technology Academy Finland | 0.50 |



Awards in Engineering - Chemical Engineering

| Award Name | Awarding Organization | Reputation Score |
|---|---|-------------------------|
| R.H. Wilhelm Award in Chemical Reaction Engineering | American Institute of Chemical Engineers | 0.56 |
| Alpha Chi Sigma Award for Chemical Engineering Research | American Institute of Chemical Engineers | 0.54 |
| Founders Award for Outstanding Contributions to the Field of Chemical Engineering | American Institute of Chemical Engineers | 0.52 |
| Professional Progress Award in Chemical Engineering | American Institute of Chemical Engineers | 0.50 |
| Jacques Villermaux Medal | European Federation of Chemical Engineering, EFCE | 0.50 |



Awards in Engineering - Civil Engineering

| Award Name | Awarding Organization | Reputation Score |
|--|--|------------------|
| Freyssinet Medal | The International Federation for Structural Concrete, fib | 0.50 |
| International Award of Merit in Structural Engineering | International Association for Bridge and Structural Engineering, IABSE | 0.50 |
| IABSE Prize | International Association for Bridge and Structural Engineering, IABSE | 0.46 |



Awards in Engineering - Electrical and Information Engineering

| Award Name | Awarding Organization | Reputation Score |
|---|---|------------------|
| A. M. Turing Award | Association for Computing Machinery (United States) | 0.82 |
| IEEE Medal of Honor | Institute of Electrical and Electronics Engineers, IEEE (United States) | 0.68 |
| Benjamin Franklin Medal in Electrical Engineering | Franklin Institute (United States) | 0.58 |
| IEEE Edison Medal | Institute of Electrical and Electronics Engineers, IEEE (United States) | 0.58 |
| The Okawa Prize | The Okawa Foundation (Japan) | 0.55 |
| The Knuth Prize | ACM Special Interest Group on Algorithms and Computation Theory and the IEEE Technical Committee on the Mathematical Foundations of Computing (United States) | 0.55 |
| Royal Society Milner Award | The Royal Society (United Kingdom) | 0.50 |



Awards in Engineering - Energy Science and Engineering

| Award Name | Awarding Organization | Reputation Score |
|-------------------------|---|------------------|
| Eni Award | Eni S.p.a.(Italy) | 0.55 |
| The Enrico Fermi Award | U.S. Department of Energy's Office of Science | 0.53 |
| The Global Energy Prize | The Global Energy Non-Profit Partnership (Russia) | 0.48 |



Awards in Engineering - Environmental Science and Engineering

| Award Name | Awarding Organization | Reputation Score |
|--|---|------------------|
| Tyler Prize for Environmental Achievement | The University of Southern California (United States) | 0.75 |
| Volvo Environment Prize | The Volvo Environment Prize Foundation (Sweden) | 0.72 |
| Stockholm Water Prize | Stockholm International Water Institute (Sweden) | 0.69 |
| BBVA Foundation Frontiers of Knowledge Award in Ecology and Conservation Biology | BBVA Foundation (Spain) | 0.61 |
| BBVA Foundation Frontiers of Knowledge Award in Climate Change | BBVA Foundation (Spain) | 0.59 |
| Heineken Prize for Environmental Sciences | The Royal Netherlands Academy of Arts and Sciences | 0.55 |



Awards in Engineering - Materials Science and Engineering

| Award Name | Awarding Organization | Reputation Score |
|----------------------------|---|------------------|
| Von Hippel Award | Materials Research Society, MRS (United States) | 0.68 |
| MRS Medal Award | Materials Research Society | 0.61 |
| David Turnbull Lectureship | Materials Research Society | 0.53 |



Awards in Engineering - Mechanical Engineering

| Award Name | Awarding Organization | Reputation Score |
|---|--|------------------|
| ASME Medal | American Society of Mechanical Engineers, ASME | 0.59 |
| Timoshenko Medal | American Society of Mechanical Engineers, ASME | 0.59 |
| Benjamin Franklin Medal in Mechanical Engineering | Franklin Institute (United States) | 0.50 |



Awards in Social Sciences - Economics

| Award Name | Awarding Organization | Reputation Score |
|--|---|------------------|
| The Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel | The Royal Swedish Academy of Sciences | 1.00 |
| The Erwin Plein Nemmers Prize in Economics | Northwestern University (United States) | 0.52 |



Awards in Social Sciences - Law

| Award Name | Awarding Organization | Reputation Score |
|------------------------------------|---------------------------------|------------------|
| The Stockholm Prize in Criminology | Stockholm University (Sweden) | 0.75 |
| Edwin H. Sutherland Award | American Society of Criminology | 0.68 |
| European Criminology Award | European Society of Criminology | 0.63 |
| August Vollmer Award | American Society of Criminology | 0.50 |



Awards in Social Sciences - Political Science

| Award Name | Awarding Organization | Reputation Score |
|---|---|------------------|
| The Johan Skytte Prize in Political Science | Johan Skytte Foundation at Uppsala University (Sweden) | 0.61 |
| The Stein Rokkan Prize for Comparative Social Science Research | International Social Science Council, the University of Bergen and the European Consortium for Political Research | 0.54 |
| Karl Deutsch Award of International Political Science Association | International Political Science Association | 0.48 |



Thank you very much!