

Preface

Artificial Intelligence technology is of interest to many people around the world, including people in fields like science, technology and policy making. It is believed that AI will transform society in profound and, as yet, not fully understood ways. At the core of this transformation is the deployment of AI in applications that will improve the quality of life - or wellbeing - of the world's population. IJCAI 2019 has a special track on AI for improving human-wellbeing in order to encourage research in this important area. Machine Learning techniques play a fundamental role in AI research and development. However, it is still unclear how more complex reasoning can be implemented and integrated with the progress we have seen from deep learning. The second special track of IJCAI 2019, understanding intelligence and human-level AI in the new machine learning era, considers the research of how far we have really come in terms of developing human-level AI and how we can bridge the remaining gap.

IJCAI-2019 has received a record number of 4,752 submitted papers (a 37% increase over IJCAI-ECAI 2018, itself a record breaker), of which 850 submissions have been accepted (17.8%). The special track on understanding intelligence and human-level AI in the new machine learning era and the special track on AI for improving human-wellbeing received 47 and 234 papers, respectively, of which 8 and 39 were accepted (respectively). All papers will have an oral presentation and will also be displayed as posters at the conference venue. Almost all of the papers received four reviews. The Program Committee consisted of 73 area chairs, 740 senior program committee members, 2,696 program committee members, 78 reviewers and 352 review assistants: this makes a total of 3,939 researchers who performed careful and rigorous reviews, discussed the papers and came to a recommendation. Authors had the opportunity to provide feedback to their reviews, which was then analyzed by the reviewing team at the time of discussion.

As in previous years, we have a journal track: these proceedings include 8 abridged versions of papers that have been published in AIJ and JAIR, and one paper from a special issue of the IBM Journal of Research and Development, without having ever been presented at a major conference. Again, as in previous years, we have a sister conference best paper track: these proceedings include 25 revised versions of award-winning papers from some of the top-level specialized AI conferences. We have 16 early career spotlight talks given by outstanding researchers who are 5 to 10 years post-doc; most of their talks come with a paper in the proceedings, providing a synthesis of their past and current research. Like last year, we have a survey track that provides an opportunity for AI researchers who are experts on a specific topic to give a talk presenting a synthesis survey of the topic and to publish a paper in the proceedings. We received 68 submissions, of which 12 were accepted. We also have, as usual, a demo track. These proceedings include short papers describing the accepted demos.

We have seven outstanding invited speakers: Giuseppe de Giacomo (Univ. Roma "La Sapienza"), Leslie Kaelbling (MIT), Zhi-Hua Zhou (Nanjing University), Adnan Darwiche (UCLA), Hadas Kress-Gazit (Cornell University), Hiroaki Kitano (Sony Computer Science Laboratories) and Michela Milano (University of Bologna). We also have talks by the winners of these prestigious awards: the 2019 IJCAI Award for Research Excellence (Yoav Shoham), the 2019 John McCarthy Award (Pedro Domingos) and the 2019 Computers and Thought Award (Guy Van den Broeck).

A conference the size and scope of IJCAI-2019 requires tremendous effort from many people, to whom we are very grateful. First of all, the authors, who submitted the best of their work to this conference. Second, the program committee members, who made an effort to cope with the deadlines and the heavy load of work. Third, all of the people who helped in the different stages of the review process, especially Francisco (Tito) Cruz and Marc Pujol, who helped at all stages of the submission, review and program construction processes, and who spent weeks performing paper formatting quality control and giving professional feedback to the authors. Many others have helped in different phases of the process: Thomas Preuss, who gave constant technical support on ConfMaster; Laurent Charlin and Richard Zemel, who made the Toronto Paper Matching System (TPMS) available for the paper bidding phase; Blai Bonet, whose paper-to-reviewer software was used once again; and Marta Abad, who produced the program brochure. In addition to those whose work made the content of the conference possible, many worked to make the operation of the conference possible. The local arrangements committee (LAC) did a tremendous job for which we are very thankful. The LAC was co-chaired by Zhiguo Gong and Yangqiu Song. Andrew Jiang served as the local arrangement manager. The local arrangements require significant effort and we are very grateful to all of the LAC members: Dou Shen, Yilei Shao, Yu Zheng, Jingdong, Leong Hou, Yang Liu, Yiqiang Chen, Jindong Wang, Han Yu, Mikael Hansson, Xiaoping Chen, Derek Fai Wong, Jingzhi Guo, Shirley Siu, Hongming Zhang, Simon Fong, Chengqi Zhang, Yiyang Yang and Yuhong.

Finally, Vesna Sabljakovic-Fritz, Executive Secretary for IJCAI, deserves a huge thanks! She knows everything about IJCAI, its history and its practices, and she is always on top of everything. It would have been impossible for us to manage without her.

- Sarit Kraus (Program Chair)
- Thomas Eiter (Conference Chair)

IJCAI-19 Conference Organisation

Conference Committee

Conference Chair

Thomas Eiter (Vienna University of Technology, Austria)

Program Chair

Sarit Kraus (Bar-Ilan University, Israel)

Local Arrangements Committee Chairs

Zhiguo Gong (University of Macau, Macau, China)

IJCAI Executive Secretary

Vesna Sabljakovic-Fritz (Vienna University of Technology, Austria)

IJCAI Secretary-Treasurer

Bernhard Nebel (Albert-Ludwigs-Universität Freiburg, Germany)

Track Chairs

Program Committee Chair

Sarit Kraus (Bar-Ilan University, Israel)

Tutorials Chairs

Edith Elkind (University of Oxford, UK)

Mary-Anne Williams, University of Technology Sydney, Australia

Workshop Chairs

David Sarne (Bar-Ilan University, Israel)

Amal El Fallah Seghrouchni (University Pierre and Marie Curie (Paris 6), France)

Demo Chairs

Jörg P. Müller (Clausthal University of Technology, Germany)

Jie Zhang (Nanyang Technological University, Singapore)

Doctoral Consortium

Pradeep Varakantham (Singapore Management University, Singapore)

Chitta Baral (Arizona State University, USA)

Robot Exhibition Chairs

Xiaoping Chen (University of Science and Technology of China)

Francesco Amigoni (Politecnico di Milano, Italy)

Video Competition Chairs

Takayuki Ito (Nagoya Institute of Technology, Japan)

Subramanian Ramamoorthy (University of Edinburgh, UK)

Survey chairs

Virginia Dignum (Umeå University, Sweden)

Fangzhen Lin (The Hong Kong University of Science and Technology, Hong Kong, China)

Sister Conference Best Papers

Scott Sanner (University of Toronto)

Roni Stern (Ben-Gurion University Israel)

Journal Track

Noam Hazon (Ariel University, Israel)

Special Track on Understanding Intelligence and Human-level AI in the New Machine Learning era Track Chairs

Dan Roth (University of Pennsylvania, USA)

Sebastian Riedel (University College London and Facebook AI Research, UK)

Special Track on AI for Improving Human-Well Being Track Chairs

Carla P. Gomes (Cornell, USA)

Jonathan Schaeffer (University of Alberta, USA)

Advisory Committee

Franz Baader (TU Dresden)

Chitta Baral (Arizona State University)

Stefano Ermon (Stanford University)

Aditya Ghose (University of Wollongong)

Yolanda Gil (University of Southern California)

Takayuki Ito (Nagoya Institute of Technology)

Gal A. Kaminka (Bar-Ilan University)

Gerhard Lakemeyer (RWTH Aachen)

Nada Lavrac (Jozef Stefan Institute)

Shaul Markovich (Technion)

Paola Mello (University of Bologna)

Michaela Milano (University of Bologna)

Hideyuki Nakashima (Sapporo City University)

Yun Raymond Fu (Northeastern University)

Marie-Christine Rousset (Laboratoire d'Informatique de Grenoble)

Jonathan Schaeffer (University of Alberta)

Gerardo I. Simari (Universidad Nacional del Sur)

VS Subrahmanian (Dartmouth College)

Sylvie Thiebaux (Australian National University)

Chengqi Zhang (University of Technology Sydney)

Local Arrangements Committee

Local Arrangements Co-Chairs

Zhiguo Gong (University of Macau, Macao, China)
Yangqiu Song (The Hong Kong University of Science and Technology, Hong Kong, China)

Sponsorship Chair

Dou Shen (Baidu, China)

Sponsorship Co-Chair

Yilei Shao (Highlights Academy, China)

Industry Day Chair

Yu Zheng (Jingdong, China)

Exhibition Chair

Leong Hou U (University of Macau, Macao, China)

Competition Chair

Yang Liu (Webank, China)

Finance Chair

Andrew Jiang (Macau Convention and Exhibition Association, Macao, China)

Publicity Co-Chairs

Yiqiang Chen (Institute of Computing Technology, Chinese Academy of Science, China)
Jindong Wang (Institute of Computing Technology, Chinese

Academy of Science, China)
Han Yu (Nanyang Technological University, Singapore)
Mikael Hansson (Umeå university, Sweden)

Robotics Competition and Demonstration Chair

Xiaoping Chen (University of Science and Technology of China, China)

Workshop Coordinator

Derek Fai Wong (University of Macau, Macao, China)

Tutorial Coordinator

Jingzhi Guo (University of Macau, Macao, China)

High School AI Festival Coordinator

Shirley Siu (University of Macau, Macao, China)

Web Master

Hongming Zhang (The Hong Kong University of Science and Technology, Hong Kong, China)

Job Match Coordinator

Simon Fong (University of Macau, Macao, China)

IJCAI Sponsorship Officer

Chengqi Zhang (University of Technology Sydney, Australia)

Student Volunteer Chairs

Yiyang Yang (Guangdong University of Technology, China)
Yuhong Li (Alibaba, China)

Program Committee

Main Track Program Committee

Area Chairs

Leila Amgoud (Centre National de la Recherche Scientifique (CNRS))
Timothy Baldwin (The University of Melbourne)
Isabelle Bloch (LTCI; Télécom ParisTech; Université Paris-Saclay)
Craig Boutilier (Google)
Longbing Cao (University of Technology Sydney)
Soumen Chakrabarti (IIT Bombay)
Seungjin Choi (Pohang University of Science and Technology, Department of Computer Science and Engineering)
Alessandro Cimatti (Fondazione Bruno Kessler)
Ian Davidson (University of California - Davis)
Ulle Endriss (ILLIC, University of Amsterdam)
Ariel Felner (Ben-Gurion University)
Johannes Fürnkranz (TU Darmstadt, Knowledge Engineering Group)
Juergen Gall (University of Bonn)
Roman Garnett (Washington University in St. Louis)
Hector Geffner (ICREA & Universitat Pompeu Fabra)
Maria Gini (University of Minnesota, Computer Science and Engineering)
Lluís Godo (IIIA-CSIC, Logic and Reasoning)
Malte Helmert (University of Basel)
Jim Hendler (RPI, Institute for Data Exploration and Applications)
Julia Hirschberg (Columbia University, Computer Science)
Jesse Hoey (University of Waterloo, Computer Science)
Holger Hoos (Leiden University, LIACS)
Jonathan How (MIT, Aeronautics and Astronautics)
Heng Huang (University of Pittsburgh, Electrical and Computer Engineering)
Sinno Jialin Pan (Nanyang Technological University, Singapore)
Igor Jurisica (Krembil Research Institute, UHN)
Subbarao Kambhampati (Arizona State University)
Yossi Keshet (Bar-Ilan University)
Nevin L Zhang (The Hong Kong University of Science and Technology)
Peter L Bartlett (UC Berkeley, CS & Statistics)
Jure Leskovec (Stanford University)
Kevin Leyton-Brown (University of British Columbia, Computer Science)
Maxim Likhachev (Carnegie Mellon University, The Robotics Institute)
Bing Liu (University of Illinois at Chicago, Computer Science)
Huan Liu (Arizona State University)

Alessio Lomuscio (Imperial College London)
Thomas Lukasiewicz (University of Oxford)
Michael Mahoney (UC Berkeley, Statistics)
Madhav Marathe (University of Virginia, Biocomplexity Institute and Initiative & Dept. of Computer Science)
Sheila McIlraith (University of Toronto, Department of Computer Science)
Risto Miikkulainen (The University of Texas at Austin)
Bamshad Mobasher (DePaul University, School of Computing)
Michael Ng (Hong Kong Baptist University)
Vincent Ng (University of Texas at Dallas)
Tim Oates (UMBC, University of Maryland Baltimore County)
Doina Precup (McGill University / DeepMind)
Pradeep Ravikumar (Carnegie Mellon University)
Francesco Ricci (Free University of Bozen-Bolzano, Faculty of Computer Science)
Daniel Rueckert (Imperial College London, Computing)
Thomas Schiex (INRA, Applied Mathematics and Computer Science)
Björn Schuller (Imperial College London, University of Augsburg)
Sandip Sen (The University of Tulsa, Tandy School of Computer Science)
Carles Sierra (Artificial Intelligence Research Institute, IIIA-CSIC)
Stefano Soatto (University of California, Los Angeles)
Aya Soffer (IBM Research)
Peter Stone (University of Texas at Austin)
Ayellet Tal (Technion-Israel Institute of Technology, Department of Electrical Engineering)
Pang-Ning Tan (Michigan State University, Computer Science and Engineering)
Dacheng Tao (University of Sydney, UBTECH Sydney Artificial Intelligence Centre)
Francesca Toni (Imperial College London)
Hwee Tou Ng (National University of Singapore)
Ruth Uerner (York University, Lassonde School of Engineering, EECS Department)
Manik Varma (Microsoft Research)
Jingdong Wang (Microsoft Research)
Daphna Weinshall (Hebrew University of Jerusalem, School of Computer Science and Engineering)
Scott Wen-tau Yih (Facebook AI Research)
Xing Xie (Microsoft Research Asia)
Shuicheng Yan (National University of Singapore)
Qiang Yang (Hong Kong University of Science and Technology, Computer Science and Technology)
Dit-Yan Yeung (Hong Kong University of Science and Tech-

nology, Computer Science and Engineering)
Mohammed Zaki (RPI, Computer Science)
Chengqi Zhang (University of Technology Sydney)
Xiaojin Zhu (University of Wisconsin-Madison)

Senior Program Committee Members

Hussein Abbass
Naoki Abe
Sibel Adali
Charu C Aggarwal
Thomas Ågotnes
Karteek Alahari
Harith Alani
Natasha Alechina
Jose Julio Alferes
Tansu Alpcan
Analia Amandi
Chris Amato
Xavier Amatriain
Francesco Amigoni
Bo An
Aris Anagnostopoulos
Plamen Angelov
Cecilio Angulo
André Anjos
Grigoris Antoniou
Annalisa Appice
Cedric Archambeau
Katie Atkinson
Tsz-Chiu Au
Gilles Audemard
Vincenzo Auletta
Haris Aziz
Franz Baader
Yoram Bachrach
Xiang Bai
Lamberto Ballan
Bikramjit Banerjee
Arindam Banerjee
Etienne Barnard
Roman Barták
Roberto Basili
Gustavo Batista
Christian Bauckhage
Ana Bazzan
Luca Becchetti
Srikanta Bedathur
Sven Behnke
Francesco Belardinelli
Danielle Belgrave
Rachel Bellamy
Michael Benedikt
Salem Benferhat
Daniel Berrar
Christian Bessiere
Alex Beutel
Aurélien Beynier
Mehul Bhatt
Pushpak Bhattacharyya

Chiranjib Bhattacharyya
Isabelle Bichindaritz
Maria Bielikova
Meghyn Bienvenu
Armin Biere
Albert Bifet
Yngvi Bjornsson
Elizabeth Black
Hendrik Blockeel
Danushka Bollegala
Francesco Bonchi
Blai Bonet
Richard Booth
Giacomo Boracchi
Rafael H. Bordini
Vicent Botti
Guillaume Bouchard
Sylvain Bouveret
Ronen Brafman
Ivan Bratko
Ulf Brefeld
Robert Busa-Fekete
Reynold C.K. Cheng
Pedro Cabalar
Elena Cabrio
Deng Cai
Ruichu Cai
Diego Calvanese
Xiangyong Cao
Tran Cao Son
Ioannis Caragiannis
Claire Cardie
Jaime Cardoso
Pablo Castells
Tristan Cazenave
Michelangelo Ceci
Jesus Cerquides
Amedeo Cesta
Joyce Chai
Antoni Chan
Manmohan Chandraker
Shiyu Chang
Gal Chechik
Rama Chellappa
Wei Chen
Badong Chen
Li Chen
Ning Chen
Weiwei Cheng
William K. Cheung
Yann Chevaleyre
Sung-Bae Cho
Arthur Choi
Berthe Y Choueiry
Alexandra Chouldechova
Fu-lai Chung
Charles Clarke
Cristina Conati
Martin Cooper
Fabio Cozman

David Crandall
Stephen Cranefield
Paolo Cremonesi
Marco Cristani
Aron Culotta
James Cussens
Claudia d'Amato
Dengxin Dai
Dima Damen
Mohamed Daoudi
Sanmay Das
Mehdi Dastani
Jesse Davis
Cassio de Campos
Marco de Gemmis
Giuseppe De Giacomo
Philippe de Groot
Colin de la Higuera
Gerard de Melo
Luc de Raedt
Virginia de Sa
Krzysztof Dembczyński
Cheng Deng
Sébastien Destercke
Nicola Di Mauro
Belen Diaz-Agudo
Frank Dignum
Alexandros Dimakis
Ran Ding
Guiguang Ding
Jürgen Dix
Minh Do
Peter Dolog
Carlotta Domeniconi
Carmel Domshlak
Luna Dong
Agostino Dovier
Doug Downey
Bo Du
Didier Dubois
Stefan Edelkamp
Asif Ekbal
Michael Elhadad
Deniz Erdogmus
Hugo Jair Escalante
Roberto Esposito
Floriana Esposito
Martin Ester
Jérôme Euzenat
Piotr Faliszewski
Boi Faltings
James Fan
Fei Fang
Nicola Fanizzi
Alessandro Farinelli
Eduardo Fernández
Basura Fernando
Cèsar Ferri
Marcelo Finger
Tim Finin

Pierre Flener
Santos Francisco C.
Enrico Franconi
Jeremy Frank
Gerhard Friedrich
Fraundorfer Friedrich
Yun Fu
Christian Gagné
Michel Galley
Aram Galstyan
Joao Gama
Aldo Gangemi
Yue Gao
Wei Gao
Xin Gao
Thomas Gärtner
Nicola Gatti
Matthieu Geist
Xin Geng
Ian Gent
Kallirroi Georgila
Alfonso E. Gerevini
Ali Ghodsi
Massimiliano Giacomin
Fosca Giannotti
David Ginsbourger
Raja Giryes
Alfio Gliozzo
Nigel Goddard
Daniela Godoy
Judy Goldsmith
Chen Gong
Gianluigi Greco
Davide Grossi
Bin Gu
Quanquan Gu
Ziyu Guan
Odd Erik Gundersen
Yuhong Guo
Julian Gutierrez
Ido Guy
Stephen Guy
András György
Amaury Habrard
Junwei Han
Bohyung Han
Alan Hanjalic
Eric Hansen
Paul Harrenstein
Patrik Haslum
Avinatan Hassidim
Ran He
Yulan He
Jingrui He
Emmanuel Hebrard
Jeff Heflin
Keijo Heljanko
Ralf Herbrich
Jose Miguel Hernandez Lobato
Andreas Herzig

Tom Heskes
Matthew Hoffman
Joerg Hoffmann
Steven Hoi
Jaakko Hollmén
Paul Honeine
Richang Hong
Timothy Hospedales
Michael E. Houle
Cho-Jui Hsieh
Xiaolin Hu
Fei Huang
Xuanjing Huang
Minlie Huang
Pan Hui
Rebecca A Hutchinson
Stratis Ioannidis
Luca Iocchi
Tomoharu Iwata
Manfred Jaeger
Prateek Jain
Navdeep Jaitly
Mateja Jamnik
Dietmar Jannach
Matti Järvisalo
Cv Jawahar
Michael R. M. Jenkin
Shuiwang Ji
Xu Jia
Liangxiao Jiang
Yu-Gang Jiang
Xiaoyi Jiang
Antonio Jose Jimeno Yepes
Vladimir Jojic
Rosie Jones
Catholijn Jonker
Alípio Jorge
Shafiq Joty
Frederic Jurie
Froductal Kabanza
Lalana Kagal
Bernhard Kainz
Jayant Kalagnanam
Meir Kalech
Ece Kamar
Gal A. Kaminka
Min-Yen Kan
Alexandros Karatzoglou
Erez Karpas
Michael Katz
Yoshinobu Kawahara
Yiping Ke
Jeffrey Kephart
Gabriele Kern-Isberner
Kristian Kersting
Roni Khardon
Daniel Khashabi
Emre Kiciman
Christopher Kiekintveld
Gunhee Kim

Negar Kiyavash
Sven Koenig
Mikko Koivisto
Andrey Kolobov
J. Zico Kolter
Kazunori Komatani
Jan Komorowski
Xiangnan Kong
SÅ©bastien Konieczny
Roman Kontchakov
Aryeh Kontorovich
Richard Korf
Manolis Koubarakis
Gerhard Kraetzschmar
Vladik Kreinovich
Tsvi Kuflik
M. Pawan Kumar
T. K. Satish Kumar
Orna Kupferman
James Kwok
Philippe Laborie
Gerhard Lakemeyer
Philippe Langlais
Helge Langseth
Oswald Lanz
Mirella Lapata
Pedro Larranaga
Kate Larson
Kathryn Blackmond Laskey
Rynson Lau
Florence Le Ber
David Leake
Christophe Lecoutre
Jimmy Lee
Joohyung Lee
Daniel Lee
Jens Lehmann
Joao Leite
Boaz Lerner
Shingyu Leung
Jordi Levy
Michael Lewis
Yong Li
Leida Li
Xi Li
Yunyao Li
Teng Li
Jianguo Li
Ming Li
Yu-Feng Li
Fuxin Li
Wu-Jun Li
Maria Liakata
Churn-Jung Liau
Jean Lieber
Jongwoo Lim
Zhouchen Lin
Hsuan-Tien Lin
Raz Lin
Xue Lin

Carlos Linares Lopez
Haibin Ling
Charles Ling
Yang Liu
Si Liu
Ji Liu
Yan Liu
Feng Liu
Hairong Liu
Qun Liu
Xiaoming Liu
Bo Liu
Tyng-Luh Liu
Daniel Lizotte
Michael Loizos
Michele Lombardi
Mingsheng Long
Manuel Lopes
Beatriz Lopez
Ana Carolina Lorena
Emiliano Lorini
Amy Loutfi
Daniel Lowd
Aurelie Lozano
Haiping Lu
Shijian Lu
Wenbin Lu
Wei Lu
Troels Bjerre Lund
Carsten Lutz
Ines Lynce
Siwei Lyu
Alan Mackworth
Bernardo Magnini
Ana Maguitman
Mary Lou Maher
Rupam Mahmood
Subhransu Maji
Pradipta Maji
Alan Malek
Giuseppe Manco
Felip Manyà
Stephane Marchand-Maillet
Oded Margalit
Andre Marquand
Joao Marques-Silva
Pierre Marquis
Ricardo Martins
Nicolas Maudet
Mausam
James Mayfield
Brian McFee
Tao Mei
Reshef Meir
Amnon Meisels
Deyu Meng
Rosa Meo
Thomas Meyer
Michela Milano
Mirjam Minor

Melanie Mitchell
Sanjay Modgil
Marie-Francine Moens
Abdelrahman Mohamed
Marco Montali
Stefania Montani
Robert Morris
Robert Moskovitch
Yadong Mu
Marie-Laure Mugnier
Hector Munoz-Avila
Yi Murphey
Karen Myers
Preslav Nakov
Daniele Nardi
Olfa Nasraoui
Sriraam Natarajan
Roberto Navigli
Gerhard Neumann
Kenney Ng
See-Kiong Ng
Ann Nicholson
Feiping Nie
Siegfried Nijssen
Mahesan Niranjan
Cícero Nogueira dos Santos
Ann Nowe
Barry O'Sullivan
Papini Odile
Kemal Oflazer
Takayuki Okatani
Frans Oliehoek
Andrea Omicini
Eva Onaindia
Cheng Soon Ong
Santiago Ontañón
Francesco Orabona
Charles Ortiz
Ivan Oseledets
Takayuki Osogami
John Paisley
Ana Paiva
Jeff Z. Pan
Rina Panigrahy
Panagiotis Papapetrou
Jong Park
Simon Parsons
Razvan Pascanu
Gabriella Pasi
Philippe Pasquier
Andrea Passerini
Fabio Patrizi
Adrian Pearce
Mykola Pechenizkiy
Dino Pedreschi
Robert Peharz
Rafael Penaloza
Franz Pernkopf
Patrice Perny
Gilles Pesant

Hamed Pirsiavash
Thomas Ploetz
Massimo Poesio
David Poole
Leonard Poon
Soujanya Poria
Luigi Portinale
Pascal Poupart
Henri Prade
Henry Prakken
Alun Preece
Valentina Presutti
Guo-Jun Qi
Yanjun Qi
Yu Qiao
Tao Qin
Venkatesh Babu Radhakrishnan
Alain Rakotomamonjy
Ganesh Ramakrishnan
Srikumar Ramalingam
Sarvapali Ramchurn
Visvanathan Ramesh
Jan Ramon
Nalini Ratha
Balaraman Ravindran
Paul Rayson
Jesse Read
Chris Reed
Roi Reichart
Jochen Renz
Marcello Restelli
Elisa Ricci
Peter Richtarik
Mark Riedl
Fabrizio Riguzzi
Jussi Rintanen
Alan Ritter
C line Robardet
Manuel Gomez Rodriguez
Gabriele R ger
Lior Rokach
Fred Roosta
Riccardo Rosati
Michal Rosen-Zvi
Avi Rosenfeld
Jeffrey S. Rosenschein
Francesca Rossi
Paolo Rosso
J rg Rothe
Tim Roughgarden
Michael Rovatsos
Leonel Rozo
Sebastian Rudolph
Salvatore Ruggieri
Wheeler Ruml
Alessandra Russo
RAgis Sabbadin
Ashish Sabharwal
Domenico Sacc 
Norman Sadeh

Fariba Sadri
Horacio Saggion
Antonio Salmeron
Jitao Sang
Sriram Sankararaman
Scott Sanner
Sunita Sarawagi
Torsten Schaub
Matthias Scheutz
Steven Schockaert
Marc Schoenauer
Marco Schorlemmer
Hannes Schulz
Roberto Sebastiani
Joan Serra
Giuseppe Serra
Yuval Shahar
Caifeng Shan
Bracha Shapira
Ehud Shapiro
Onn Shehory
Yi-Dong Shen
Victor Sheng
Yuhui Shi
Solomon Eyal Shimony
Ilan Shimshoni
Gerardo Simari
Guillermo Simari
Reid Simmons
Laurent Simon
Vikas Sindhwani
Christine Sinoquet
Elizabeth Sklar
Aleksandrs Slivkins
Shirin Sohrabi
Mingli Song
Leandro Soriano Marcolino
Daby Sow
Matthijs T. J. Spaan
Richard Sproat
Vivek Srikumar
Kavitha Srinivas
Biplav Srivastava
Mudhakar Srivatsa
Giorgos Stamou
Mark Steedman
Umberto Straccia
Heiner Stuckenschmidt
Peter Stuckey
Nathan Sturtevant
Hang Su
L Venkata Subramaniam
Masashi Sugiyama
Changho Suh
Gita Sukthankar
Zhenan Sun
Ron Sun
Xiaoyan Sun
Katia Sycara
Panagiotis Symeonidis

Zoltan Szabo
Stefan Szeider
Prasad Tadepalli
Yu-Wing Tai
Tami Tamir
Toshiyuki Tanaka
Ke Tang
Jinhui Tang
Sasu Tarkoma
Michiaki Tatsubori
Matt Taylor
Gerald Tesauro
Andrea G. B. Tettamanzi
Ruck Thawonmas
Andreas Theodorou
Sylvie Thiebaut
Dirk Thierens
Radu Timofte
Michalis Titsias
Marc Tommasi
Hanghang Tong
Paolo Torroni
Andrea Torsello
Marc Toussaint
Paolo Traverso
Volker Tresp
Michael Trick
Charlotte Truchet
Ivor Tsang
Grigorios Tsoumakas
Kagan Tumer
Pavan Turaga
Karl Tuyls
Alexander Tuzhilin
Nicolas Usunier
Peter van Beek
Guy Van den Broeck
Leon van der Torre
Hado van Hasselt
Gael Varoquaux
Wamberto Vasconcelos
Sergei Vassilvitskii
Nicolas Vayatis
Veale Veale
Kristen Brent Venable
Carmine Ventre
Karin Verspoor
Renata Vieira
Yevgeniy Vorobeychik
Christel Vrain
Slobodan Vucetic
Mark Wallace
Toby Walsh
Matthew Walter
Xiaojun Wan
Song Wang
Ruiping Wang
Hong Wang
Yunhe Wang
Meng Wang

Hua Wang
Hanzi Wang
Xinchao Wang
Chong Wang
Kuansan Wang
Shinji Watanabe
Taro Watanabe
Grant Weddell
Michael Wellman
Paul Weng
Brian Williams
Andrew Wilson
Nic Wilson
Mark Winands
Michael Winikoff
Nirmalie Wiratunga
Michael Witbrock
Frank Wolter
Stefan Woltran
Hau San Wong
Weng-Keen Wong
David Woodruff
Michael Wooldridge
Franz Wotawa
Jianxin Wu
Xintao Wu
Jia Wu
Kun-Lung Wu
Yihong Wu
Lirong Xia
Deyi Xiong
Jinjun Xiong
Linli Xu
Chang Xu
Bing Xue
Toshihiko Yamasaki
Yi Yang
Tianbao Yang
Ming-Hsuan Yang
Haiqin Yang
Ting Yao
Roland Yap
Xiaojing Ye
Pinar Yolum
Elad Yom-Tov
Jia-Huai You
Shipeng Yu
Jun Yu
Lei Yu
Yang Yu
Jingyi Yu
Changhe Yuan
Massimo Zancanaro
Markus Zanker
Yifeng Zeng
Zheng-Jun Zha
De-Chuan Zhan
Kun Zhang
Junping Zhang
Lijun Zhang

Zhaoxiang Zhang
Yi Zhang
Kai Zhang
Xiaofeng Zhang
Min Zhang
Dongmo Zhang
Jiajun Zhang
Xiangliang Zhang
Yue Zhang
Rui Zhang
Zhongfei Zhang
Min-Ling Zhang
Jie Zhang
Yu Zhang
Jun Zhao
Qi Zhao
Liang Zheng
Wei-Shi Zheng
Ding-Xuan Zhou
Wengang Zhou
Jun Zhu
Hongtu Zhu
Hankz Hankui Zhuo
Roie Zivan
Aviv Zohar
Ingrid Zukerman
Blaz Zupan

Program Committee Members

John A. Doucette
Zahraa Abdallah
Talel Abdessalem
Mohammad Abdulaziz
Mara Abel
Rui Abreu
Pedro Henriques Abreu
Erman Acar
Silvana Aciar
Carole Adam
Alessandro Adamou
Yossi Adi
Stergos Afantenos
Swapna Agarwal
Sumeet Agarwal
Zeljko Agic
Nesreen Ahmed
Marc Aiguier
Stephane Airiau
Thalaiyasingam Ajanthan
Charilaos Akasiadis
Baris Akgun
Özgür Akgün
Rabah Al-Zaidy
Ibrahim Alabdulmohsin
Mehwish Alam
Michael Albert
Marco Alberti
Alexandre Albore
Enrique Marcelo Albornoz

Lyuba Alboul
Stefano Albrecht
David Albrecht
Huib Aldewereld
Ron Alford
Shaull Almagor
Jose Alonso
Miguel Alonso
Dalal Alrajeh
Klaus-Dieter Althoff
Mario Alviano
Sofia Amador Nekle
Georgios Amanatidis
Antoine Amarilli
Frédéric Amblard
Maxime Amblard
Giovanni Amendola
Ofra Amir
Le An
Prasanth Anbalagan
Davide Ancona
David Andrzejewski
Claudio Angione
Davide Anguita
Luca Anselma
Luiza Antonie
Alessandro Antonucci
Xiang Ao
Prathosh Ap
Sachiyo Arai
Ricardo Araujo
Athirai Aravazhi Irissappane
Chris Archibald
Liliana Ardissono
Carlos Areces
Ofar Arieli
Marcelo G. Armentano
Alessandro Artale
Thierry Artieres
Christian Artigues
Alexander Artikis
Vijay Arya
Masataro Asai
Umar Asif
Manuel Atencia
Awais Athar
Martin Atzmueller
Mathieu d'Aquin
Thomas Augustin
Guy Avni
Edmond Awad
Reyhan Aydogan
Amar Prakash Azad
Amos Azaria
Amadou Ba
Yukino Baba
Behrouz Babaki
Rohit Babbar
Davide Bacciu
Kerstin Bach

Bruno Bachimont
Fadi Badra
Lu Bai
Xiao Bai
Quan Bai
Song Bai
Jorge Baier
Hendrik Baier
Vineeth Balasubramanian
Ioana Baldini
Matteo Baldoni
Marcello Balduccini
Linus Baltrunas
Tomas Balyo
Bitu Banihashemi
Ajay Bansal
Qing Bao
Laura Barbulescu
Jean Paul Barddal
Elias Bareinboim
Michael W Barley
Nicolas Barnier
Cristina Baroglio
Loic Barrault
Rodrigo Barros
Nathanael Barrot
Mark Bartlett
Valerio Basile
Teresa M. A. Basile
Nicola Basilico
Nick Bassiliades
Kayhan Batmanghelich
Sotiris Batsakis
Ringo Baumann
Dorothea Baumeister
Peter Baumgartner
Atilim Gunes Baydin
Rahmat Beheshti
Xiaohui Bei
Christoph Beierle
Ramon Bejar Torres
Khaled Belahcene
Yonatan Belinkov
Vaishak Belle
Francois Belletti
Elena Bellodi
Alejandro Bellogin
Ohad Ben Shahr
Jonathan Ben-Naim
Nawal Benabbou
Farah Benamara
Alessio Benavoli
Mario Benevides
Christoph Benz Müller
Aniket Bera
Jonathan Berant
Pascal Bercher
Jeremias Berg
David Bergman
Sara Bernardini

Flavia Bernardini
Leopoldo Bertossi
Laurent Besacier
Tarek R. Besold
Floris Bex
Olaf Beyersdorff
Sahely Bhadra
Satyanath Bhat
Sumit Bhatia
Debarun Bhattacharjya
Indrajit Bhattacharya
Subhrajit Bhattacharya
Chetan Bhole
Dr. Brojeshwar Bhowmick
Wei Bian
Jiang Bian
Reinaldo Bianchi
Marenglen Biba
Felix Biessmann
Battista Biggio
Vittorio Bilò
Wang Bin
Alex Binder
Lidong Bing
Peter Biro
Yonatan Bisk
Stefano Bistarelli
Arthur Bit-Monnot
Eduardo Blanco
Saul Blanco Rodriguez
Sebastien Blandin
Bernhard Bliem
Daan Bloembergen
Domenico Daniele Bloisi
Michelle Blom
Eva Blomqvist
Christian Blum
Alexander Bochman
Miquel Bofill
Bart Bogaerts
Kenneth Bogert
Olivier Boissier
Ladislau Bölöni
Maria Luisa Bonet
Vincenzo Bonifaci
Gregory Bonnet
Andrea Borghesi
Alexander Borgida
Stefan Borgwardt
Mihaela Bornea
Luca Bortolussi
Branislav Bosansky
Adi Botea
Elena Botoeva
Houda Bouamor
Djallel Bouneffouf
Zied Bouraoui
Ioana Boureanu
Camille Bourgaux
Gauvain Bourgne

Pierre Bourhis
Maroua Bouzid
Bruno Bouzy
Marco Bozzano
Loris Bozzato
Jonathan Bragg
Paula Branco
António Branco
Anarosa Brandao
Agnès Braud
Robert Bredereck
Davide Bresolin
Gerhard Brewka
Markus Brill
Ruth Brillman
Sandra Bringay
Willie Brink
Carlos Brizuela
Krysia Broda
Jan Broersen
Facundo Bromberg
Ken Brown
Cameron Browne
Aisha Bryant
Dariusz Brzezinski
Maximiliano Celmo David Budan
Katarzyna Budzynska
Olivier Buffet
Thang Bui
Paul Buitelaar
Nils Bulling
Andrea Burattin
Robin Burke
Evgeny Burnaev
Christina Burt
Davide Buscaldi
Cory Butz
André C.P.L.F. de Carvalho
Shaowei Cai
Yi Cai
Weidong Cai
Olivier Cailloux
Roberta Calegari
Carlos Caleiro
Andrea Calí
Francesco Calimeri
Iacer Calixto
Jorge Calvo-Zaragoza
Rui Camacho
Jose Camacho-Collados
Erik Cambria
Martin Caminada
Brais Cancela
Carlos Eduardo Cancino Chacón
Cheng Cao
Zhiguang Cao
Jiannong Cao
Xin Cao
Huiping Cao
Xiaochun Cao

Yang Cao
Mengfei Cao
Florent Capelli
Jesus Capitan
Roberto Capobianco
Joel Carbonera
Clément Carbonnel
Carmen Gervet
Walter Carnielli
Luciano Caroprese
David Carral
Diego Carrera
Jorge Carrillo-de-Albornoz
Ana Casali
Giovanni Casini
Roberto Castañeda Lozano
Giovanna Castellano
Alberto Castellini
Bruno Castro da Silva
Martine Ceberio
Rocío Cecchini
Hudelot Céline
Peggy Cellier
Sofia Ceppi
Christophe Cerisara
Federico Cerutti
Ismail Ilkan Ceylan
Luiz Chaimowicz
Tathagata Chakraborti
Prithwish Chakraborty
Mithun Chakraborty
Rosa Chan
Hau Chan
Jeffrey Chan
Laiwan Chan
Yale Chang
Xiaojun Chang
Ming-Ching Chang
Archie Chapman
Sotirios Chatzis
Dimitris Chatzopoulos
Sneha Chaudhari
Vinay Chaudhri
Siddhartha Chaudhuri
Lisi Chen
Yun-Nung Chen
Zhengzhang Chen
Yang Chen
Chen Chen
Zhenzhong Chen
Xiaojun Chen
ChaoChao Chen
Feng Chen
Long Chen
Xinchi Chen
Changyou Chen
Boxing Chen
Pin-Yu Chen
Suming J. Chen
Eunice Yuh-Jie Chen

Chu-Song Chen
Jiehua Chen
Xinyuan Chen
Haipeng Chen
Zhourong Chen
Xuejin Chen
Jia-Wei Chen
Jie Chen
Xinlei Chen
Liang Chen
Yong Cheng
Yu Cheng
Wen-Huang Cheng
Shi Cheng
Vijil Chenthamarakshan
Jackie Chi Kit Cheung
Niyati Chhaya
Fabien Chhel
Lianhua Chi
Jaesik Choi
Laurence Cholvy
Amit Chopra
Evangelia Christakopoulou
Lukas Chrpá
Chenhui Chu
Philipp Cimiano
Celia Cintas
Andre Cire
Davide Ciucci
Roberto Ciuni
Tom Claassen
Stéphan Clémenton
Michael Cochez
Michael Codish
Arman Cohan
David Cohen
Andrew Cohen
Liron Cohen
Andrea Cohen
Robin Cohen
Eldan Cohen
Liat Cohen
Dario Colazzo
Mitchell Colby
Jordi Coll
Martine Collard
Joe Collenette
Mathieu Collet
Silvano Colombo Tosatto
Simon Colton
Jean-François Condotta
Roberto Confalonieri
Yulai Cong
Stefano Coniglio
Marcelo Coniglio
Sergio Consoli
Matthieu Constant
Giorgio Corani
Olivier Corby
Mark Core

Roberto Corizzo
Julien Corman
Cory Cornelius
Flavio Soares Correa da Silva
Vincent Corruble
Gabriella Cortellessa
Omar Cortes
Ulises Cortés
Luca Costabello
Stefania Costantini
Sylvie Coste-Marquis
Giuseppe Cota
Adrien Coulet
Jacob Crandall
Robert Craven
Bruno Cremilleux
Carlos Fernando Crispim-Junior
Diana Cristea
Danilo Croce
Andrew Cropper
Balázs Csanád Csáji
Heriberto Cuayahuitl
Bernardo Cuenca Grau
Chaoran Cui
Xiaodong Cui
Fabio Cuzzolin
Marek Cygan
Kristijonas Čyras
Marcello D'Agostino
Gianlorenzo D'Angelo
Celia da Costa Pereira
Giovanni Da San Martino
Enrico Daga
Feng Dai
Wang-Zhou Dai
Andrew Dai
Qi Dai
Xin-Yu Dai
Beatrice Daille
Fahim Dalvi
Bhavana Dalvi
Carlos Damásio
Marina Danilevsky
Neil Dantam
Stefan Dantchev
Thi-Bich-Hanh Dao
Mrinal Kanti Das
Prithviraj Dasgupta
Marelise Davel
Eli (Omid) David
Jérôme David
Ernest Davis
Franck Davoine
Alan Davoust
Pankaj Dayama
Abir De
Emanuele De Angelis
Riccardo De Benedictis
Luis M. de Campos
Orphée De Clercq

Ronald de Haan
Dave de Jonge
Bart de Keijzer
Tiago de Lima
Luis Alvaro de Lima Silva
Riccardo De Masellis
Shalini De Mello
Celso de Melo
Giuseppe De Nittis
Valeria de Paiva
Marcilio de Souto
Marina De Vos
Alta De Waal
Keith Decker
James Delgrande
Argyrios Deligkas
Dario Della Monica
Jérôme Delobelle
Gianluca Demartini
Sophie Demasse
Thomas Demeester
Emir Demirović
Stephane Demri
Yue Deng
Jeremiah Deng
Ludovic Denoyer
Enrico Denti
Gilles Dequen
Lihi Dery
Ajay Deshpande
Amit Deshpande
Palash Dey
Kuntal Dey
Sanjoy Dey
Paramveer Dhillon
Luigi Di Caro
Leandro Di Persia
Jilles Dibangoye
John Dickerson
Martin Dieguez
Francisco Javier Diez
Catalin Dima
Yannis Dimopoulos
Marco Dinarelli
Yao-Xiang Ding
Zhengming Ding
Chenchen Ding
Xinghao Ding
Dimitris Diochnos
Clare Dixon
Nghì Do Thanh
Carmine Dodaro
Dragan Doder
Michel Dojat
Pierpaolo Dondio
Li Dong
Mianxiong Dong
Yinpeng Dong
Jing Dong
Yanni Dong

Bin Dong
Yue Dong
Francesco Maria Donini
Jana Doppa
Derek Doran
Gary Doran
Dejing Dou
Qi Dou
Sylvie Doutre
Mauro Dragoni
Aldo Franco Dragoni
Nicolas Drougard
Chris Drummond
Nan Du
Jianfeng Du
Changying Du
Shaoyi Du
Lan Du
Jian Du
Heshan Du
Xinya Du
Nan Duan
Yann Dujardin
Ambedkar Dukkipati
Sebastijan Dumancic
Barbara Dunin-Keplicz
Paul Dunne
François Durand
Audrey Durand
Nadir Durrani
Robert Durrant
Alain Dutech
Wolfgang Dvořák
Sjur Dyrkolbotn
Marcin Dziubiński
Witold Dzwiniel
Eric Eaton
Adam Eck
Andreas Ecke
Ralf Eggeling
Mohammady Ardehaly Ehsan
Eduard Eiben
Layla El Asri
Mehdi Elahi
Shady Elbassuoni
Avshalom Elmalech
Tapio Elomaa
Zied Elouedi
Yagil Engel
Gabor Erdelyi
Juhan Ernits
Marcelo Errecalde
Luis Espinosa Anke
Patricia Everaere
Wolfgang Faber
Jan Faigl
Marcelo A. Falappa
Fabrizio Falchi
Nicola Falcionelli
Rino Falcone

Zoe Falomir
Xiaochuan Fan
Xiuyi Fan
Jun Fan
Hadi Fanaee-T
Jorge Fandiño
Angelo Fanelli
Hui Fang
Zhiwen Fang
Amir-massoud Farahmand
Catherine Faron Zucker
Mireia Farrus
Jean-Baptiste Fasquel
Aleksandra Faust
Cristina Feier
Dan Feldman
Alexander Feldman
Yunlong Feng
Lei Feng
Qingxiang Feng
Shi Feng
Liang Feng
Songhe Feng
Yang Feng
Wei Feng
Yansong Feng
Raphael Feraud
Eraldo Fernandes
Fernando Fernandez
Oliver Fernandez Gil
David Fernández-Duque
Sira Ferradans
Diodato Ferraioli
Gabriela Ferraro
Francis Ferraro
Sébastien Ferré
Alexander Ferrein
Carlos Ferreira
Francesc J. Ferri
Raul Fervari
Besnik Fetahu
Ethan Fetaya
Johannes K. Fichte
Pablo Fillottrani
Aris Filos-ratsikas
Alberto Finzi
Valeria Fionda
Fabio Fioravanti
Ferdinando Fioretto
Michael Fire
Tommaso Flaminio
Michele Flammini
Sergio Flesca
Huber Flores
Giorgos Flouris
Michael Floyd
Paul Fodor
Achille Fokoue
Chuan Sheng Foo
Kenneth Forbus

Andrea Formisano
Nicoletta Fornara
Mary Ellen Foster
Dimitris Fotakis
James Foulds
Roy Fox
Guillem Francès
Maria Andreina Francisco Rodriguez
Simone Fratini
Rupert Freeman
Tim French
Lea Frermann
Yanwei Fu
Bin Fu
Yanjie Fu
Xueyang Fu
Yasuhisa Fujii
Masahiro Fujita
Atsushi Fujita
Yusuke Fujita
Yasuhiro Fujiwara
Alex Fukunaga
Naoki Fukuta
Benjamin C. M. Fung
Antonino Furnari
Alfredo Gabaldon
Maurizio Gabbrielli
Kugamoorthy Gajananan
Lucie Galand
Andrea Galassi
Byron Galbraith
Esther Galbrun
Clemente Galdi
Marcus Gallagher
Pietro Galliani
Vineet Gandhi
Fabien Gandon
Vijay Ganesh
Graeme Gange
Robert Ganian
Yong Gao
Ke Gao
Chao Gao
Zan Gao
Lianli Gao
Hongchang Gao
Sheng Gao
Jing Gao
Wei Gao
Quanxue Gao
Jie Gao
Ruipeng Gao
Changxin Gao
Laurent Garcia
Alejandro Javier García
Salvador García
Iván García-Magariño
Angel Garcia-Olaya
Dinesh Garg
Pranav Garg

Sahil Garg
Marco Gario
Serge Gaspers
Gilles Gasso
Malvin Gattinger
Benoit Gaudou
Marco Gavanelli
Hong Ge
Xiaoyu Ge
ZongYuan Ge
Shiming Ge
Florian Geißer
Gregory Gelfond
Rainer Gemulla
Pierre Genevès
Katie Genter
Alborz Geramifard
Aurona Gerber
Enrico Gerding
Mohamed Ghalwash
Kamran Ghasedi Dizaji
Chiara Ghidini
Silvio Ghilardi
Amir Gholaminejad
Shalini Ghosh
Debarghya Ghoshdastidar
Mahdieh Ghotbi
Bryan R Gibson
Nicola Gigante
Hugo Gilbert
Aditya Gilra
Jesús Giráldez-Cru
Bernard Girau
Alex Gittens
Robert Givan
Hadrien Glaude
Birte Glimm
François Goasdoué
Matthew Gombolay
Heitor Murilo Gomes
Jon Ander Gómez Adrián
Ricardo Gonçalves
Mingming Gong
Chen Gong
Wenyin Gong
Miguel Ángel González
Arturo González-Ferrer
Arnaud Gotlieb
Sebastian Gottifredi
Laurent Gourvès
Josif Grabocka
Umberto Grandi
Alban Grastien
Christophe Gravier
Charles Gretton
Tal Grinshpoun
Dagmar Gromann
Audrunas Gruslys
Xiaowei Gu
Xinze Guan

Benjamin Guedj
Abhradeep Guha Thakurta
Lin Gui
Riccardo Guidotti
Sujit Gujar
Tias Guns
Guibing Guo
Xiaoxiao Guo
Yuchen Guo
Yiwen Guo
Xin Guo
Ping Guo
Kalyan Gupta
Nitin Gupta
Victor Gutiérrez-Basulto
Thomas Guyet
Antonella Guzzo
Djamal Habet
Ben Hachey
Yaakov HaCohen-Kerner
Rafik Hadfi
Gaetan Hadjeres
Gholamreza Haffari
Mostafa Haghiri Chehreghani
Zhen Hai
Chen Hajaj
Anne Håkansson
Xianpei Han
Kai Han
Jungong Han
The Anh Han
Yahong Han
Shaobo Han
Yufei Han
Chung-Wei Hang
Marc Hanheide
Tianyong Hao
Jianye Hao
Satoshi Hara
Daniel Harabor
Christian Hardmeier
Stefan Harrer
Brent Harrison
Amelia Harrison
Mohammad Hasan
Sadid A. Hasan
Chikara Hashimoto
Oktie Hassanzadeh
Salima Hassas
Kohei Hatano
Hiromitsu Hattori
Nick Hawes
Katsuhiko Hayashi
Conor Hayes
Amir Hazem
Xiangnan He
Xinran He
Zhongjun He
Fang He
Dongxiao He

Shengfeng He	Guoquan Huang
Ruifang He	Guoping Huang
Xiao He	Kaizhu Huang
Di He	Kejun Huang
Luheng He	Zengfeng Huang
Shizhu He	Jing Huang
Kun He	Jiaji Huang
Jennifer Healey	Weilin Huang
Chinmay Hegde	Shujian Huang
Mattias Heinrich	Junshi Huang
Fredrik Heintz	Marie-José Huguet
Aron Henriksson	Yuk Hui
Rui Henriques	Aaron Hunter
Carlos Hernandez	Zhouyuan Huo
Daniel Hernandez Lobato	Guillaume Hutzler
Pablo Hernandez-Leal	Sung Ju Hwang
Jose Hernandez-Orallo	Antti Hyvärinen
Marijn Heule	Giovambattista Ianni
Ryuichiro Higashinaka	Yazmín Ibáñez-García
Khalil El Hindi	Rasmus Ibsen-Jensen
Koen Hindriks	Tsuyoshi Ide
Roberto Hirata Jr	Nancy Ide
Gabriel Hjort Blindell	Dino Ienco
Brahim Hnich	Georgiana Ifrim
Clint Chin Pang Ho	Ayumi Igarashi
Edmond S. L. Ho	Roberto Iglesias Rodriguez
Nghia Hoang	Alexey Ignatiev
Michael Hofbaur	Hiroyuki Iida
Chris Holmes Parker	Takashi Ikegami
Arjen Hommersom	Takashi Imamichi
Jun Hong	Kenji Imamura
Yu Hong	Hiroshi Inoue
Wenjing Hong	Mohammad Irfan
Amy Hoover	Go Irie
Hykel Hosni	Anisse Ismaili
Hadi Hosseini	Vamsi Ithapu
Chenping Hou	Magdalena Ivanovska
Junhui Hou	Yusuke Iwasawa
Ping Hou	Said Jabbour
Thomas Howard	Brijnesh Jain
Kuang-Jui Hsu	Arjun Jain
Jane Hsu	Mahdi Jalili
Guosheng Hu	Shoaib Jameel
Liang Hu	Kevin Jamieson
Wenbin Hu	Wojciech Jamroga
Juhua Hu	Jean-Christophe Janodet
Yao Hu	Jingyuan Janodet
Han Hu	Mikolas Janota
Zehong Hu	Szymon Jaroszewicz
Yang Hua	Laurent Jeanpierre
Sheng-Jun Huang	Christopher Jefferson
Wenbing Huang	David Jensen
Feihu Huang	Baptiste Jeudy
Chao Huang	Yangfeng Ji
Xin Huang	Pan Ji
Han Huang	Jianmin Ji
Jin Huang	Xiuyi Jia
Wenyi Huang	Jia Jia
Qiming Huang	Zhuolin Jiang
Xiaowei Huang	Jie-Hong Jiang

Xiaorui Jiang
Yurong Jiang
Albert Xin Jiang
Guifei Jiang
Shuqiang Jiang
Hua Jiang
Jing Jiang
Xueyan Jiang
Meng Jiang
Tingting Jiang
Shali Jiang
Biao Jie
Sergio Jimenez Celorrio
Ernesto Jimenez-Ruiz
Xiaoming Jin
Cheng Jin
Xiaolong Jin
Yan Jin
Di Jin
Bo Jin
Zhongming Jin
Wei Jin
Xiao-Yuan Jing
Ulf Johansson
Nicholas Johnson
Arne Jönsson
Nicolas Jouandeau
Brendan Juba
Vicente Julian
Perez Julien
Kwang-Sung Jun
Jean Christoph Jung
Ulrich Junker
Tommi Junttila
Anna Jurek-Loughrey
Preethi Jyothi
Ata Kaban
Souhila Kaci
Serdar Kadioglu
Rudolf Kadlec
Leslie Kaelbling
Ozgur Kafali
Samira Kahou
Hermann Kaindl
Nobuhiro Kaji
Antonis Kakas
Cezary Kaliszyk
Dimitris Kalles
Rossi Kamal
Vijay Kamble
Roger Kameugne
Hidetaka Kamigaito
Mark Kaminski
Toshihiro Kamishima
Meina Kan
Ryo Kanamori
Takafumi Kanamori
Pallika Kanani
Panagiotis Kanellopoulos
Zhao Kang

Iyad Kanj
Jean-Daniel Kant
Purushottam Kar
Ioannis Karamouzas
Nikos Karanikolas
Masayuki Karasuyama
Isak Karlsson
Andreas Karwath
Samuel Kaski
Ioannis Katakis
Mike Katchabaw
George Katsirelos
Takayuki Katsuki
Gilad Katz
Nikos Katzouris
Daisuke Kawahara
Hidenori Kawamura
Yasushi Kawase
Mehdi Kaytoue
Thomas Keller
Einat Kermany
Emil Keyder
Shehroz Khan
Mohammad Emtiyaz Khan
Bishesh Khanal
Piyush Khandelwal
Rajiv Khanna
Tushar Khot
Udayan Khurana
Stanislav Kikot
Philip Kilby
Saehoon Kim
Doo Soon Kim
Kee-Eung Kim
Tae Hyun Kim
Angelika Kimmig
Svetlana Kiritchenko
Akihiro Kishimoto
Zeynep Kiziltan
Günter Klambauer
Arto Klami
William Klement
Tomas Kliegr
Max Klimm
Franziska Klügl
Matthias Klusch
Peter Knees
Matthias Knorr
Alistair Knott
Murat Kocaoglu
Dragi Kocev
Uwe Köckemann
Anders Kofod-Petersen
Roxane Koitz-Hristov
Stanley Kok
Nadin Kokciyan
Fotis Kokkoras
Martin Kollingbaum
Mamoru Komachi
Christian Komusiewicz

Boris Konev
Adams Wai Kin Kong
Shufeng Kong
Linglong Kong
Deguang Kong
Dehan Kong
Takuya Konishi
David Konopnicki
Anna Koop
Patrick Koopmann
Parisa Kordjamshidi
Frederic Koriche
Andrew Koster
Egor Kostylev
Lars Kotthoff
Pigi Kouki
Costas Koutras
Daniel Laszlo Kovacs
Alisa Kovtunova
Oswin Krause
Dmitry Kravchenko
Georg Krempl
Nils Kriege
Christian Kroer
Markus Krötzsch
Lun-Wei Ku
Daniel Kudenko
Hildegard Kuehne
Louwe B. Kuijer
Swagat Kumar
Gautam Kunapuli
Clemens Kupke
Takeshi Kurashima
Marcin Kurdziel
Anastassia Küstenmacher
Finn Kuusisto
Ilja Kuzborskij
Ondrej Kuzelka
Johan Kwisthout
Anastasios Kyrillidis
Salvatore La Torre
Christophe Labreuche
Bruno Lacerda
Nicolas Lachiche
Martin Lackner
Mathieu Lafourcade
Marie-Christine Lagasquie-Schiex
Jean-Marie Lagniez
Sylvain Lagrue
Zhao-Rong Lai
Hanjiang Lai
Kiran Lakkaraju
Arnaud Lallouet
Robin Lamarche-Perrin
Luis Lamb
Bart Lamiroy
Gianfranco Lamperti
Xiangyuan Lan
Liang Lan
Andrew Lan

Marc Lanctot
Dario Landa-Silva
Niels Landwehr
Davide Lanti
Ni Lao
Frédéric Lardeux
Monica Larese
Romain Laroche
Walter Lasecki
Neal Lathia
Mikko Lauri
Massimo Lauria
Niklas Lavesson
Ron Lavi
Mark Law
Jonathan Lawry
Nadjib Lazaar
Vuong Le
Tam Le
Tiep Le
Hoel Le Capitaine
Baudouin Le Charlier
Thomas Léauté
Freddy Lecue
Wan-Jui Lee
Hung-yi Lee
Jae Hee Lee
Huei Diana Lee
Louise Leenen
Els Lefever
Claire Lefèvre
Eric Lefèvre
Joël Legrand
Baiying Lei
Zhen Lei
Tao Lei
Yunwen Lei
Na Lei
Levi H. S. Selis
Adam Lelkes
Domenico Lembo
Julio Lemos
Pascal Lenzner
Yves Lepage
Philippe Leray
Julien Lesca
Marie-Jeanne Lesot
Yves Lesperance
Joshua Letchford
Ho-fung Leung
Omer Lev
Jurica Levatic
Amelie Levray
Bennie Lewis
Martha Lewis
Olivier Lhomme
Boyang Li
Ying Li
Jundong Li
Chunyuan Li

Xiao-Lin Li
Weiming Li
Lei Li
Chao Li
Cheng-Te Li
Junyi Jessy Li
Yifeng Li
Shao-Yuan Li
Yuan-Fang Li
Xin Li
Chao Li
Jiyi Li
Yang Li
Chenliang Li
Jason Jingshi Li
Ping Li
Jessie Li
Cheng Li
Yanhua Li
Xin Li
Yingzhen Li
Wenye Li
Miaomiao Li
Zechao Li
Lei Li
Yuncheng Li
Maoxi Li
Liangyue Li
Jun Li
Sheng Li
Weixin Li
Junhui Li
Guanbin Li
Gang Li
Yen-Huan Li
Chu-Min Li
Shaohua Li
Qi Li
Wenwen Li
Yi Li
Ang Li
Nan Li
Yingming Li
Zhuoshu Li
Defu Lian
Huizhi Liang
Zhengfa Liang
Xiaodan Liang
Shangsong Liang
Chen Liang
Yingyu Liang
Jian Liang
Jing Liao
Beishui Liao
Renjie Liao
Leonid Libkin
Thomas Liebig
Antonio Lieto
Anne-Laure Ligozat
Aristidis Likas

Shiau Hong Lim
Kar Wai Lim
Christopher Lin
Chenghua Lin
Weiyao Lin
Chunbin Lin
Thomas Linsbichler
Erik Linstead
Marco Lippi
Xin Liu
Xiaobing Liu
Kang Liu
Anan Liu
Guanfeng Liu
Yu-Shen Liu
Jiaying Liu
Chenghao Liu
Yuan Liu
Yong Liu
Xianglong Liu
Weiwei Liu
Haitao Liu
Xinwang Liu
Risheng Liu
Cong Liu
Kefei Liu
Jie Liu
Xudong Liu
April H Liu
Zitao Liu
Jiangming Liu
Xueliang Liu
Mingxia Liu
Jialin Liu
Xiaoyang Liu
Lemao Liu
Miao Liu
Dong Liu
Yang Liu
Xiaobai Liu
Qi Liu
Heng Liu
Hongfu Liu
Li-Ping Liu
Anqi Liu
Buyu Liu
Mingrui Liu
Weifeng Liu
Lin Liu
Yi-Kai Liu
Zhiyuan Liu
Wu Liu
Yang Liu
Tongliang Liu
Yongmei Liu
Stephan Liwicki
Nikola Ljubešić
David Lo
Frank Loebe
Brian Logan

Corrado Loglisci
Guodong Long
Dominique Longin
Maite Lopez-Sanchez
Xavier Lorca
Ulf Lorenz
Carlos Lorenzetti
Marco Lorenzi
Steven Loscalzo
Samir Loudni
Grigorios Loukides
Bryan Kian Hsiang Low
Pablo Loyola
Tyler Lu
Xiaofen Lu
Chang-Tien Lu
Chi-Jen Lu
Jing Lu
Bao-Liang Lu
Zhiwu Lu
Canyi Lu
Hui Lu
Xiaoqiang Lu
Benjamin Lubin
Peter Lucas
Corinne Lucet
Brendan Lucier
Thomas Lukasiewicz
Zhiling Luo
Yuan Luo
Minnan Luo
Chuan Luo
Xin Luo
Yong Luo
Fulin Luo
Wenjian Luo
Cheng Luo
Lei Luo
Jun Luo
Shan Luo
Thibaut Lust
Mitja Lustrek
Zhipeng Lv
Jiayi Ma
Lianbo Ma
Bingpeng Ma
Zhanyu Ma
Qiang Ma
Lin Ma
Wanli Ma
Qianli Ma
Hang Ma
Tengfei Ma
Yue Ma
Wei-Yun Ma
Ning Ma
Keng-Teck Ma
Brian Mac Namee
Patrick MacAlpine
Douglas Macharet

Rich Maclin
Florent Madelaine
Anders Madsen
Takanori Maehara
Michael Maher
Jean-Guy Mailly
Arnaud Malapert
Bradley Malin
Enrico Malizia
Shervin Malmasi
Brandon Malone
Vadim Malvone
Toni Mancini
Lawrence Mandow
Silviu Maniu
Marco Manna
Vasco Manquinho
Masoumeh Mansouri
Naresh Manwani
Hua Mao
Xian-Ling Mao
Wenji Mao
Juliano Maranhao
Marco Maratea
Letizia Marchegiani
Jakub Marecek
Elisa Marengo
Stefano Mariani
Benjamin Marie
Radu Marinescu
Frederic Maris
Zdravko Markov
Sarajane Marques Peres
Andrea Marrella
Christophe Marsala
Stephen Marsland
Barnaby Martin
Trevor Martin
María Vanina Martínez
Fernando Martinez-Plumed
Bruno Martins
Ruben Martins
Viviana Mascardi
Andres Masegosa
Fabio Valerio Massoli
Guid Matej
Carles Mateu
Philippe Mathieu
Shigeo Matsubara
Toshihiro Matsui
Tetsu Matsukawa
Nicholas Mattei
Robert Mattmüller
Denis Maua
Avner May
Sahisnu Mazumder
Manuel Mazzara
Kevin McAreavey
Brendan McCane
Thomas Leo McCluskey

Michael Mccourt
Ciaran McCreesh
Jesús Medina
Kuldeep S. Meel
Wannes Meert
Yashar Mehdad
Deepak Mehta
Christian Meilicke
Wagner Meira
Corrado Mencar
Carlos Mencia
João Mendes-Moreira
Marcelo Mendoza
Felipe Meneguzzi
Fandong Meng
Guozhu Meng
Yunsong Meng
Qinxue Meng
Stefan Mengel
Jerome Mengin
Robert Mercer
Luis Merino
Albert Meroño-Peñuela
John-Jules Meyer
Ghita Mezzour
Roberto Micalizio
Jakub Michaliszyn
Martin Michalowski
Laurent Michel
Andrea Micheli
Alessio Micheli
Steffen Michels
Radu Mihail
Alain Mille
Julien Mille
Tim Miller
Rob Miller
Weiqing Min
Pasquale Minervini
Koji Mineshima
Leandro Minku
Enrique Miranda
Yisroel Mirsky
Anand Mishra
Neeldhara Misra
Dipendra Misra
David Mitchell
Antonija Mitrovic
Hideyuki Mizuta
Martin Mladenov
Matthias Mnich
Daichi Mochihashi
Joseph Modayil
Fabio Mogavero
Heman Mohabeer
Behrang Mohit
Frederic Moisan
Ambra Molesini
Cristian Molinaro
Gianpiero Monaco

Dagmar Monett
Eric Monfroy
Nuno Moniz
Anna Monreale
Sara Montagna
Angelo Montanari
Ricardo Monti
Deshen Moodley
Il Chul Moon
Michael Morak
Eduardo Morales
Alvaro Moreira
Antonio Morgado
Tetsuro Morimura
Michael Morin
Emmanuel Morin
Satoshi Morinaga
Robert Moro
Luca Moscardelli
Boris Motik
Bradford Mott
Lili Mou
Abdel-Allah Mouaddib
Malek Mouhoub
Sergio Mover
Tingting Mu
Koyel Mukherjee
Kushal Mukherjee
Varish Mulwad
Asim Munawar
Aniello Murano
Pierre-Alexandre Murena
Filip Murlak
Pradeep K. Murukannaiah
Claudiu Musat
Lledó³ Museros
Nysret Musliu
Alexander Nadel
Mohamed Nadif
Grzegorz J. Nalepa
Eric Nalisnick
Claudia Nalon
Ullas Nambiar
Vinay Namboodiri
Mirco Nanni
Amedeo Napoli
Ramasuri Narayanam
Franco Maria Nardini
Nina Narodytska
Erickson Nascimento
Saketha Nath
Pavel Naumov
Abhaya Nayak
Angela Nebot
Claire Nédellec
Benjamin Negrevergne
Roman Neruda
Frank Neumann
M A Hakim Newton
Vien Ngo

Vu Nguyen	Ana Ozaki
Trung Thanh Nguyen	Mete Ozay
Hoang Nga Nguyen	Michal Ozery-Flato
Thanh Nguyen	Arzucan Ozgur
Andre Nichterlein	Meltem Ozturk
Matthias Nickles	Rita P. Ribeiro
Tiezheng Nie	Sujit P.b
Weizhi Nie	Julian Padget
Liqiang Nie	Aline Paes
Xiushan Nie	Maurice Pagnucco
Thomas Nielsen	Brooks Paige
Juan Carlos Nieves	Tomas Pajdla
Oliver Niggemann	Hector Palacios
Peter Nightingale	Filippo Palumbo
Xia Ning	Hengyue Pan
Guanghan Ning	Yingwei Pan
Alexandre Niveau	Shirui Pan
Itsuki Noda	Weike Pan
Thanapon Noraset	Shijia Pan
Jakob Nordström	Yinghui Pan
Emma Norling	Vinayaka Pandit
Timothy Norman	Wei Pang
Paulo Novais	Yanwei Pang
Valsamis Ntouskos	Guansong Pang
Andreas Nuechter	Alexandre Papadopoulos
Diarmuid Ó Séaghdha	Anastasia Paparrizou
Brian O'Neill	Michael Papisimeon
Thomas Oberlin	Pere Pardo
Svetlana Obratzsova	Xavier Parent
Oliver Obst	Francesco Parisi
Angelo Oddi	Sunho Park
Oezguer Luetfue Oezcep	Dae Hoon Park
Dino Oglic	Seong-Bae Park
Dimitri Ognibene	David Parker
Jae Oh	Simon Parkinson
Emilia Oikarinen	Denis Parra
Manuel Ojeda-Aciego	Ioannis Partalas
Naoaki Okazaki	Pekka Parviainen
Ana Carolina Olivera	Fanny Pascual
Shayegan Omidshafiei	Claude Pasquier
Luca Oneto	Kitsuchart Pasupa
Jose Oramas	Dhaval Patel
Francisco Javier Ordóñez	Viviana Patti
Sebastian Ordyniak	Siddharth Patwardhan
Nir Oren	Alexandre Pauchet
Mehmet Orgun	Terry Payne
AndreA Orlandini	Federico Pecora
Afshin Oroojlooy	Truls Pedersen
Laurent Orseau	Wenjie Pei
Riccardo Ortale	Bernhard Peischl
Magdalena Ortiz	Marie Pelleau
Yaniv Oshrat	Damien Pellier
Fernando Osorio	Nicolas Peltier
Takanobu Otsuka	Jaakko Peltonen
Lionel Ott	Rafael Penaloza
Brammert Ottens	Yannick Pencilé
Wassila Ouerdane	Pan Peng
Satoshi Oyama	Yong Peng
Diane Oyen	Nanyun Peng
Nikunj Oza	Xiaojiang Peng

Yuxin Peng
Chengbin Peng
Jing Peng
Wen-Chih Peng
Xi Peng
Xi Peng
Pavlos Peppas
André Grahl Pereira
Giuseppe Perelli
Guillaume Perez
Diego Perez Liebana
Adriano Peron
Matthieu Perrot
Laurent Perrussel
Georgios Petasis
Ron Petrick
Alexander Peysakhovich
David Pfau
Nghia Pham
Nhathai Phan
Dzung Phan
Chiara Piacentini
Carla Piazza
Gauthier Picard
Sebastien Picault
Reinhard Pichler
Frédéric Pichon
Fabio Pierazzi
Andreas Pieris
Basile Pierpaolo
Cédric Piette
Martin Pilát
Ingo Pill
Sophie Pinchinat
Carlo Pinciroli
Wang Pinghui
Ramon Pino-Perez
Jervis Pinto
Gianvito Pio
Giuseppe Pirrò
Roberto Pirrone
Silviu Pitis
Jordi Planes
Marc Plantevit
Antonella Poggi
Sylwia Polberg
Nicola Policella
Axel Polleres
Adriano Polpo
Maria Polukarov
Florian Pommerening
Denis Ponomaryov
Fabrice Popineau
Daniele Porello
Julie Porteous
David Portugal
Nico Potyka
Forough Poursabzi-Sandgeh
Gian Luca Pozzato
Cédric Pralet

Ronaldo Prati
Steve Prestwich
Alberto Pretto
Mike Preuss
Philippe Preux
Alessandro Previti
Carlo Proietti
Ricardo Prudencio
Jay Pujara
Jaime Pulido Fentanes
Luca Pulina
Sanjay Purushotham
Rami Puzis
Yu Qi
Guilin Qi
Qi Qian
Xiaoning Qian
Xueming Qian
Tieyun Qian
Chao Qian
Maoying Qiao
Linbo Qiao
Yu Qiao
Miao Qiao
Xiangju Qin
Zengchang Qin
Shengchao Qin
Tony Qin
Likun Qiu
Weichao Qiu
Xipeng Qiu
Minghui Qiu
Peiyong Qu
Xiaojun Quan
Brian Quanz
Qichao Que
Luis Quesada
Claude-Guy Quimper
Alejandra Quiros Ramirez
Matias Quiroz
Jacob R. Gardner
Zinovi Rabinovich
Guillaume Rabusseau
Emmanuel Rachelson
Goran Radanovic
Dimitrios Rafailidis
Tahrima Rahman
Hossein Rahmani
Franco Raimondi
Vaibhav Rajan
Abdur Rakib
Liva Ralaivola
Parikshit Ram
Subramanian Ramamoorthy
Heri Ramampiaro
Maya Ramanath
Arti Ramesh
Karinne Ramirez-Amaro
Joseph Ramsey
Riccardo Rasconi

Irma Ravkic
Oliver Ray
Veselin Raychev
Rudy Raymond
Ivan Razo-Zapata
Anna Helena Reali Costa
Christoph Redl
Khaled Refaat
Ioannis Refanidis
Jean-Charles Regin
Maurício Reis
Sekou Remy
Shaogang Ren
Zhou Ren
Dongwei Ren
Yongli Ren
Fenghui Ren
Andrea Rendl-Pitrey
Gavin Rens
Chiara Renso
Valerio Restocchi
Achim Rettinger
Kate Revoredo
Mark Reynolds
Md Reza
Francesco Ricca
Giuseppe Riccardi
Alessandro Ricci
Ariella Richardson
Florian Richoux
Kai-Florian Richter
Patricia Riddle
Luke Riley
Fabien Ringeval
Matteo Riondato
Petar Ristoski
Ettore Ritacco
Mark Roberts
Valentin Robu
Mathieu Roche
Odinaldo Rodrigues
Sebastian Rodriguez
Ricardo Rodriguez
Oscar Rodriguez Rocha
Camino Rodriguez-Vela
Gemma Roig
Mauro Roisenberg
Haggai Roitman
Andrea Roli
Emma Rollon
Salvatore Romeo
Oscar J. Romero
Pedram Rooshenas
Ribana Roscher
Ariel Rosenfeld
Sara Rosenthal
Christopher Rosin
Marco Rospocher
Silvia Rossi
Roberto Rossi

Ryan Rossi
Julien Rossit
Constantin Rothkopf
Antonino Rotolo
Hans Rott
Olivier Roussel
Marie-Christine Rousset
Cécile Rouveïrol
Marco Roveri
Shourya Roy
Sandipan Roy
Subhrajit Roy
Aurko Roy
Alessandro Rozza
Wenjie Ruan
Jonathan Rubin
Sasha Rubin
Zachary Rubinstein
Hana Rudová
Hugo Leonardo Rufiner
Anna Rumshisky
Nicholas Ruoizzi
Zalila-Wenkstern Rym
Vladislav Ryzhikov
Jordi Sabater-Mir
David Sabel
Nicolas Sabouret
Orkunt Sabuncu
Mehdi Sadeqi
Aleksander Sadikov
Alessandro Saetti
Abdallah Saffidine
Ramon Sagarna
Sriparna Saha
Ankan Saha
Diptikalyan Saha
Patrick Saint Dizier
Lakhdar Sais
Hassan Sajjad
Chiaki Sakama
Ilias Sakellariou
Jun Sakuma
Frederic Sala
Pietro Sala
Albert Ali Salah
Amirali Salehi-Abari
Yakoub Salhi
Miguel A. Salido
Flora Salim
Robert Salomone
Oren Salzman
Mark Sammons
Daniel Sánchez
Luis Sanchez Fernandez
Victor Sanchez-Anguix
Antonio A. Sánchez-Ruiz
Anush Sankaran
Fernando Santos
José Santos
Vitor Santos Costa

Ario Santoso
Ismael Sanz
Oren Sar Shalom
Somdeb Sarkhel
Kanthi Sarpatwar
Giovanni Sartor
Claudio Sartori
Ravi Kiran Sarvadevabhatla
Yutaka Sasaki
Ryohei Sasano
Saket Sathe
Shin'ichi Satoh
Abdul Sattar
Thomas Sauerwald
Domenico Fabio Savo
Enrico Scala
Marco Schaerf
Pierre Schaus
Silvia Schiaffino
Claudio Schifanella
Frank-Michael Schleif
Stefan Schlobach
Jan Schlüter
Ute Schmid
Renate Schmidt
Thomas Schneider
Lutz Schröder
Matthias Schubert
Johan Schubert
Christian Schulte
Carl Schultz
Claudia Schulz
Michael Ignaz Schumacher
François Schwarzenruber
Christoph Schwering
Chris Schwiigelshohn
Nicolas Schwind
Rolf Schwitter
Guido Sciavicco
Stephen Scott
Laura Sebastia
Pascale Sébillot
Karima Sedki
Erel Segal-halevi
Martina Seidl
Jendrik Seipp
Shreyas Sekar
Meinolf Sellmann
Luciano Serafini
Ivan Serina
Edoardo Serra
Mathieu Serrurier
Baris Sertkaya
Lorenzo Severini
Metin Sezgin
Nisarg Shah
Paulo Shakarian
Huasong Shan
Shuo Shang
Chao Shang

Fanhua Shang
Junming Shao
Yingxia Shao
Ming Shao
Avinash Sharma
Dr. Mansi Sharma
Or Sheffet
Haifeng Shen
Furao Shen
Yanyan Shen
Yiru Shen
Xiaobo Shen
Huawei Shen
Yinghuan Shi
Baoguang Shi
Jun Shi
Motoki Shiga
Nobuyuki Shimizu
Solomon Eyal Shimony
Masamichi Shimosaka
Hiroaki Shiokawa
Yaniv Shmueli
Michal Shmueli-Scheuer
Anshumali Shrivastava
Xiangbo Shu
Hai Shu
Mohamed Siala
Silvan Sievers
Sujoy Sikdar
Ricardo Silveira
Jakub Simko
Mantas Simkus
Sunil Simon
Gilles Simonin
Olivier Simonin
Mor Sinay
Sudhanshu Singh
Munindar Singh
Dhirendra Singh
Ambuj Singh
Adish Singla
Arunesh Sinha
Carsten Sinz
Michael Sioutis
Oskar Skibski
Piotr Skowron
Marija Slavkovik
Amy Sliva
Friedrich Slivovsky
Kevin Small
Sonja Smets
Stephen F. Smith
Adam Smith
Mark Snaith
Lauro Snidaro
Sam Snodgrass
Eric Sodomka
Leen-Kiat Soh
Harold Soh
Kyung-Ah Sohn

Marina Sokolova
Nataliya Sokolovska
Henry Soldano
Franc Solina
Christine Solnon
Guojie Song
Xuan Song
Xuemeng Song
Dongjin Song
Jie Song
Jingkuan Song
Kaisong Song
Xinhang Song
Rui Song
Yangqiu Song
Yan Song
Wen Song
Daniel Sonntag
Axel Soto
Marlo Souza
Gerasimos Spanakis
Olivier Spanjaard
Nikolaos Spanoudakis
Alessandro Sperduti
Francesca Spezzano
Newton Spolaôr
Matthew Spradling
Michael Spranger
Ivan Srba
Ramanujan Sridharan
Appalaraju Srikar
Siddharth Srivastava
Igor StÄ©phan
Thilo Stadelmann
Gabriel Stanovsky
Michael Stark
Manfred Stede
Sebastian Stein
Gerald Steinbauer
Thomas Steinke
Kostas Stergiou
Roni Stern
Giovanni Stilo
Michiel Stock
Sabine Storandt
Christian Straÿer
Peter Struss
Peter Stuckey
Keh-Yih Su
Kaile Su
Jinsong Su
Guolong Su
Enrique Sucar
Jose Such
Dirk Sudholt
Katsuhito Sudoh
Masanori Suganuma
Mahito Sugiyama
Yanan Sui
Warut Suksompong

Jiande Sun
Zhu Sun
Baochen Sun
Shiliang Sun
Ke Sun
Jinguang Sun
Zhaonan Sun
Zachary Sunberg
Peter Sunehag
Hanna Suominen
Pavel Surynek
Vojtech Svatek
Yuriy Sverchkov
Pawel Swietojanski
Stephen Swift
Theresa Swift
Balazs Szorenyi
Sebastien Tabary
Karim Tabia
Guido Tack
Oyvind Tafjord
Koh Takeuchi
Nimrod Talmon
Alireza Tamaddoni-Nezhad
Luciano Tamargo
Fabio Tamburini
Srikanth Tamilselvam
Valentina Tamma
Akihiro Tamura
Shulong Tan
Mingkui Tan
Tony Tan
Niket Tandon
Jing Tang
Jianbin Tang
Sheng Tang
Jiliang Tang
Chang Tang
Yuqing Tang
Jin Tang
Siyu Tang
Charlie Tang
Cheng Tang
Jian Tang
Julian Tanke
Xavier Tannier
Jia Tao
Tamir Tassa
Anderson Tavares
Gavin Taylor
Florida Tech
Florent Teichteil-Koenigsbuch
Pankaj Telang
Lidia Tendra
Ashish Tendulkar
Nedelina Teneva
Choh Man Teng
Alexandre Termier
Eugenia Ternovska
Cyril Terrioux

Stefano Teso
Sergio Tessaris
Rafael Testa
Fabien Teytaud
Khoat Than
Hoang Thanh Lam
Georgios Theocharous
Alex Thiery
Matthias Thimm
Vincent Thomas
Michael Thomazo
Veronika Thost
Xinmei Tian
Ran Tian
Yuandong Tian
Yingjie Tian
Kevin Tierney
Ingo Timm
Chuan-Kang Ting
Nava Tintarev
Christos Tjortjis
Marko Tkalcic
Hiroyuki Toda
Taiki Todo
Ljupco Todorovski
Julian Togelius
David Tolpin
David Toman
Hans Tompits
Alice Toniolo
Luis Torgo
Álvaro Torralba
Gianluca Torta
Deepak Tosh
Panos Toulis
Sophie Tourret
Nicolas Toussaint
Truyen Tran
Kenneth Tran
Long Tran-Thanh
Louise Travé-Massuyès
Jan Treur
Nicolas Troquard
Francesco Trovò
Yi-Hsuan Tsai
Alan Tsang
Panayotis Tsaparas
Sebastian Tschitschek
Stavros Tsogkas
Shusaku Tsumoto
Kewei Tu
Mei Tu
ShiKui Tu
Gyorgy Turan
Anni-Yasmin Turhan
Paolo Turrini
Suguru Ueda
Antti Ukkonen
Alessandro Umbrico
Shyam Upadhyay

Visara Urovi
Roman Vaculin
Satya Gautam Vadlamudi
Rohit Vaish
Karina Valdivia
Rick Valenzano
Isabel Valera
Mauro Vallati
René van Bevern
Tim Van de Cruys
Jan Van Haaren
Frank van Harmelen
Bart van Merriënboer
Thijs van Ommen
Jan van Rijn
Barbara Vantaggi
Tiago Vaquero
Mayank Vatsa
Javier Vazquez-Salceda
Olga Vechtomova
Yllka Velaj
Fernando R. Velazquez-Quesada
Julien Velcin
Adriano Veloso
Bruno Veloso
Joost Vennekens
Rodrigo Ventura
Deepak Venugopal
Laurent Vercoouter
Mario Verdicchio
Antonio Vergari
Bart Verheij
Yashaswi Verma
Paul Vernaza
Sicco Verwer
Srdjan Vesic
Nathalie Vialaneix
Amanda Vidal
Maria-Esther Vidal
Herna Viktor
Petr Vilám
David Vilar
David Vilares
Mateu Villaret
João Vinagre
Meritxell Vinyals
Bhanukiran Vinzamuri
Julien Vion
Philippe Vismara
Marco Viviani
Jiří Vokřínek
Jirka Vomlel
Alexandros Voudouris
George Vouros
Thang Vu
Anil Vullikanti
Sven Wachsmuth
Henning Wachsmuth
Markus Wagner
Mohamed Wahbi

Przemyslaw Wałęga
Rick Wallace
Johannes Wallner
Thomas Walsh
Hai Wan
Chenguang Wang
Pichao Wang
Hao-Chuan Wang
Yichen Wang
Suhang Wang
Shusen Wang
Yuyang Wang
Cheng Wang
Zheng Wang
Quan Wang
Shaonan Wang
Hao Wang
Lizhen Wang
Rong Wang
Qianqian Wang
Keze Wang
Hao Wang
Naiyan Wang
Faqiang Wang
Deqing Wang
Yunhe Wang
Panqu Wang
Da-Han Wang
Zhichun Wang
Zhongqing Wang
Bo Wang
Xiaoqian Wang
Wenwu Wang
Pidong Wang
Zhiguang Wang
Zheng Wang
Hao Wang
Jinqiao Wang
Tinghuai Wang
Rui Wang
Xiangfeng Wang
Feng Wang
Xiao Wang
Chang-Dong Wang
Senzhang Wang
Yisong Wang
Nannan Wang
Boyu Wang
Wei Wang
Yue Wang
Beidou Wang
Wei Wang
Shuhui Wang
Zhaowen Wang
Y.-C. Frank Wang
Wenya Wang
Kewen Wang
Chaokun Wang
Jie Wang
Can Wang

Yi Wang
Tao Wang
Chuan-Ju Wang
Qiufeng Wang
Yun-Yun Wang
Dingding Wang
Yongtao Wang
Yang Wang
Yali Wang
Zhe Wang
Bin Wang
Xinchao Wang
Mingzhong Wang
Bo Wang
Zhangyang Wang
Zhe Wang
Shuai Wang
Xing Wang
Yanzhi Wang
Sen Wang
Xiao Wang
Xiang Wang
Wei Wang
Yuyi Wang
Qi Wang
Changzhou Wang
Yi N. Wang
Leo Wanner
Nigel Ward
Takashi Washio
Segev Wasserkrug
Renata Wassermann
Ying Wei
Wei Wei
Xiu-Shen Wei
Ping Wei
Mingqiang Wei
Xiao Wei
Zhongyu Wei
Antonius Weinzierl
Cédric Wemmert
Ximing Wen
Bihan Wen
Qingsong Wen
Adriano Werhli
Tomas Werner
Michael Wessel
David Weston
Emil Weydert
Peter Whigham
Jörg Wicker
Gerhard Widmer
Bryce Wiedenbeck
Thomas Wiemann
Marco Wiering
Derry Wijaya
Theodore Willke
Ralf Wimmer
David Wingate
Martin Wistuba

Gerhard Woeginger
Dominik Wojtczak
Diedrich Wolter
Bruno Woltzenlogel Paleo
Yongkang Wong
Derek F. Wong
Tak-Lam Wong
Robert J. Woodward
Michal Wozniak
Robert Wright
Hao Wu
Jun Wu
Lingfei Wu
Min Wu
Libing Wu
Lin Wu
Qingyao Wu
Fangzhao Wu
Shu Wu
I-Chen Wu
Shan-Hung Wu
Baoyuan Wu
Jiajun Wu
Yuanbin Wu
Xiaojian Wu
Jiansheng Wu
Qiang Wu
Chen Wu
Xia Wu
Yan Wu
Eric Würbel
Adam Wyner
Tian Xia
Gui-Song Xia
Shili Xiang
Tong Xiao
Yanghua Xiao
Cao Xiao
Xiaokui Xiao
Zhanhao Xiao
Yang Xiao
Joan Xiao
Qi Xiaojuan
Xiaohua Xie
Qing Xie
Yao Xie
Bo Xin
Xin Xin
Junliang Xing
Yanhai Xiong
Jie Xu
Jie Xu
Hongteng Xu
Jiajie Xu
Yan Xu
Zhenghua Xu
Jia Xu
Min Xu
Haifeng Xu
Xin-Shun Xu

Yuanlu Xu
Yi Xu
Miao Xu
Jinan Xu
Hu Xu
Yang Xu
Jian Xu
Peng Xu
Pengfei Xu
Chang Xu
Yongchao Xu
Huijuan Xu
Jun Xu
Dan Xu
Hong Xu
Zenglin Xu
Yexiang Xue
Hui Xue
Nitin Yadav
Amulya Yadav
Seiji Yamada
Junchi Yan
Yuguang Yan
Dong Yan
Yan Yan
Bowe Yan
Hiroki Yanagisawa
Xiaojun Yang
Yang Yang
Hongxia Yang
Fan Yang
Min Yang
Jianbo Yang
Jufeng Yang
Yongjie Yang
Feng Yang
Liang Yang
Bin Yang
Qian Yang
Shuo Yang
Peng Yang
Bo Yang
Zhenyu Yang
Yaqin Yang
Erkun Yang
Fangkai Yang
Yinfei Yang
Yi-Hsuan Yang
Peng Yang
De-Nian Yang
Shao-Wen Yang
Yiding Yang
Yingzhen Yang
Berrin Yanikoglu
Margot Yann
Yuan Yao
Cong Yao
Jin-ge Yao
Quanming Yao
Junjie Yao

Lina Yao
Yuan Yao
Yazhou Yao
Andrew Yates
Qixiang Ye
Han-Jia Ye
Meng Ye
Nan Ye
Mao Ye
Yanfang Ye
Hao Ye
Peter Yeh
Mi-Yen Yeh
Roi Yehoshua
Reyyan Yeniterzi
Kyongmin Yeo
William Yeoh
Wenpeng Yin
Yichun Yin
Hongzhi Yin
Haiyan Yin
Junfu Yin
Zhijun Yin
Ming Yin
Shihui Ying
Xiaowei Ying
Yiming Ying
Logan Yliniemi
Neil Yorke-Smith
Koichiro Yoshino
Takayuki Yoshizumi
Shan You
Jianfei Yu
Peng Yu
Lei Yu
Christina Lee Yu
Chao Yu
Xiaotian Yu
Yi Yu
Wenjian Yu
Guoxian Yu
Zhengtao Yu
Yintao Roger Yu
Zhou Yu
Kaixian Yu
Shuhan Yuan
Se Young Yun
Jure Zabkar
Fouad Zablith
Amir Zadeh
Siamak Zamani Dadaneh
Anna Zamansky
Franco Zambonelli
Marcos Zampieri
Marina Zanella
Fabio Massimo Zanzotto
Haifa Zargayouna
Benjamin Zarriß
Gerson Zaverucha
Riccardo Zese

Feifei Zhai
Kun Zhan
Lei Zhang
Shuai Zhang
Quanshi Zhang
Hao Zhang
Chiyuan Zhang
Chao Zhang
Jilian Zhang
Zizhao Zhang
Xiao-Yu Zhang
Jiawei Zhang
Yuanlin Zhang
Lu Zhang
Hanwang Zhang
Ziming Zhang
Yongfeng Zhang
Meishan Zhang
Wei Zhang
Shilei Zhang
Zongzhang Zhang
Zhihong Zhang
Weinan Zhang
Wei Zhang
Lefei Zhang
Yuting Zhang
Sixin Zhang
Xu-Yao Zhang
Zhenjie Zhang
Shengyu Zhang
Zhao Zhang
Qi Zhang
Weizhong Zhang
Yingqian Zhang
Peng Zhang
Jiji Zhang
Richong Zhang
Changqing Zhang
Fenggan Zhang
Teng Zhang
Wei Emma Zhang
Meng Zhang
Liyan Zhang
Xiaowang Zhang
Debing Zhang
Dongyu Zhang
Jingyang Zhang
Zhiwei Zhang
Junbo Zhang
Xingxing Zhang
Jianjia Zhang
Shiliang Zhang
Yanming Zhang
Anru Zhang
Shichao Zhang
Chao Zhang
Si Zhang
Biao Zhang
Jun Zhang
Yu Zhang

Haifeng Zhang
Qin Zhang
Yu Zhang
Li Zhang
Jing Zhang
Lefei Zhang
Yu Zhang
Heng Zhang
Shiqi Zhang
Wei 魏 Zhang (魏)
Xibin Zhao
Yang Zhao
Dengji Zhao
Zhou Zhao
Xiangfu Zhao
Xishun Zhao
Wayne Xin Zhao
Junzhou Zhao
Yanchang Zhao
Pengpeng Zhao
Miao Zhao
Handong Zhao
Sicheng Zhao
Guansheng Zheng
Stephan Zheng
Xiaoqing Zheng
Kai Zheng
Feng Zheng
Yin Zheng
Wei-Long Zheng
Vincent Zheng
Aihua Zheng
Yingbin Zheng
Zibin Zheng
Jinhong Zhong
Chuan Zhou
Chunlai Zhou
Junping Zhou
Shuchang Zhou
Hao Zhou
Neng-Fa Zhou
Joey Tianyi Zhou
Shuigeng Zhou
Tao Zhou
Yao Zhou
Xiangmin Zhou
Jiayu Zhou
Junsheng Zhou
Dawei Zhou
Yang Zhou
Peng Zhou
Luping Zhou
Rong Zhou
Bing Zhou
Yu Zhou
Xiang Zhou
Aimin Zhou
Yue Zhu
Xiaofeng Zhu
Pengfei Zhu

Xiaodan Zhu
Lei Zhu
Yu Zhu
Hengshu Zhu
Chengzhang Zhu
Zhanxing Zhu
Qi Zhu
Zexuan Zhu
Yuanyuan Zhu
Linhong Zhu
Jianke Zhu
Tianqing Zhu
Fuzhen Zhuang
Zhiqiang Zhuang
Zhu Zichen
Yair Zick
Matthieu Zimmer
Veronika Zimmer
Antoine Zimmermann
Standa Zivny
Alexander Zook
Chuhang Zou
Quan Zou
Arkaitz Zubiaga
Ester Zumpano

Reviewers

Xavier Alameda-Pineda
Idan Achituve
Hassan Ashtiani
Miguel Ballesteros
Udi Barzelay
Chris Beck
Mustafa Bilgic
Marlos C. Machado
Minhao Cheng
Colin Cherry
Eric Chi
Stephen Clark
Oana Cocarascu
Gianni Costa
Christos Dimitrakakis
Trong Dinh Thac Do
Florence Dupin de Saint-Cyr
Ad Feelders
Miriam Fernandez
Romaric Gaudel
Thierry Géraud
Moojan Ghafurian
Shahriar Hossain
Xia Hu
Yonggang Huang
Michael Hughes
Eyke Hüllermeier
William Jarrold
Melih Kandemir

Sami Khenissi
Olivera Kotevska
Meelis Kull
Cuiling Lan
Kfir Levy
Xiaopeng Li
Yen Yu Lin
Marius Lindauer
Kai Liu
Lingqiao Liu
Xuanqing Liu
Eneldo Loza Mencia
Wenpeng Lu
Henri Maitre
Oren Melamud
Brian Milch
Makoto Miwa
Leora Morgenstern
Saketha Nath
Bernhard Nessler
Nicolas Passat
Michael Perrot
Matteo Pirotta
Alex Polozov
Rui Prada
Elodie Puybareau
Hanan Rosemarin
Benjamin Rosman
Sivan Sabato
Elad Sarafian
Michele Sebag
Pedro Sequeira
Zahra Sheikhbahae
Mor Sinay
Yi-Zhe Song
Ameet Soni
Ichigaku Takigawa
Fei Tian
Thomas Unterthiner
Yoshitaka Ushiku
Jack Valmadre
Huijuan Wang
Shoujin Wang
Hui Wu
Martha White
Lingxi Xie
Florian Yger
Wang Yifei
Albrecht Zimmermann

Review Assistants

Ralph Abboud
Maryam Abdolali
Kumar Abhishek

Ben Abramowitz
Faez Ahmed
Mahtab Ahmed
Vidal Alcazar
Sarah A. Alkhodair
Mohammed Almukaynizi
Malik Altakrori
Hamidreza Alviri
Medina Andresel
Noureddine Aribi
Francesco Barile
Michael Barz
Gregor Behnke
Aimene Belfodil
Charley Beller
Diana Benavides-Prado
Anes Bendimerad
Vladimir Berikov
Yann Bernard
Jasmin Bogatinovski
Christian Cesar Bones
AnneMarie Borg
Robert Bossy
Stephen Boxwell
Laura Bozzelli
Haya Brama
Andrea Brunello
Gino Brunner
Filippo Cantucci
Valentin Cassano
Taha Ceritli
Jesus Cerquides
Rohan Chandra
Tristan Charrier
Bapi Chatterjee
Alexander Chatzigeorgiou
Shaowei Chen
Yu Chen
Jiaoyan Chen
Ting Chen
Pin-Yu Chen
Kaixuan Chen
Zhourong Chen
Peihao Chen
Leena Chennuru Vankadara
Federico Corò
Augusto B. Corrêa
Michael Curry
Bernardo Cuteri
Alessandro Daniele
Ramiro Demasi
Alexander Demin
Chiara Di Francescomarino
Steven H. H. Ding
Shaojin Ding

Haluk Dogan
Ivan Donadello
Huimin Dong
Thomas Dopierre
Mehdi Elahi
Salomé Eriksson
Daniele Evangelista
Marco Faella
Joachim Fainberg
Lifeng Fan
Le Fang
Gabriele Farina
Kevin Fauvel
Patrick Ferber
Manuel Fernandez-Carmona
Arnaud Ferré
Joao F. Ferreira
Matthias Fey
Tanner Fiez
Marcelo Finger
Adrien Fois
Luca Franceschi
Santiago Franco
Pedro Freitas
Eduardo Galimberti
Jiarui Gan
Tianyu Gao
Javier Garcia
Noa Garcia
Benoit Gauzere
Cedric Geissmann
Anne-Marie George
Daniel Gibert
Nicola Gigante
Nicolas Gontier
Palash Goyal
Massimo Guarascio
Jean-Luc Guérin
Quan Guo
V́ctor Gutíerrez-Basulto
Zeynep Hakguder
Haraldur Hallgrímsson
Jiyeon Han
Fangqiu Han
Li Haoliang
Adrian Haret
Matthew Hausknecht
Zhicheng He
Romain Herault
Jesse Heyninck
Julia Hirschberg
Minh Hoang
Tobias Höggebe
Daniel Höller
Shenda Hong

Ridi Hossain
Angelo Impedovo
Marco Imperoli
Fabricio Inácio
Roberto Interdonato
Alexander Ivrii
Alon Jacovi
Ankit Jalan
Jtissier Jtissier
Jean Christoph Jung
Andrzej Kaczmarczyk
Rushang Karia
Graham Katz
Yevgeny Kazakov
Shakila Khan Rumi
Benjamin Kiesl
Dominik Klein
Furkan Kocayusufoglu
Vid Kocijan
Daniel Kottke
Paraskevas Koukaras
Vaclav Kratochvíl
Kalliopi Kravari
Madhavan Krishnan
Ayse Kucukyilmaz
Varun Kumar
Alasdair Lambert
Dominik Lang
Javier Larrosa
Joshua Lau
Luca Laurenti
Pierre Le Bodic
Yahia Lebbah
Piyawat Lertvittayakumjorn
Jundong Li
Na Li
Weihua Li
Jiaoyang Li
Zhihui Li
Qingyang Li
Dawei Li
Yandong Li
Miles Li
Cong Li
Kar Wai Lim
Paichun Lin
Jonathan Liono
Zhining Liu
Boyang Liu
FÁbio Lobato
Juan Antonio Lossio-Ventura
Eneldo Loza Mencia
Xiaoxuan Lu
Guangquan Lu
Wenhan Luo

Jiancheng Lyu	Diego Ramírez Echavarría
Masoume M. Raeissi	Ievgen Redko
Yunpu Ma	Johan Reimann
Vitor Machado	Simon Rey
Prashan Madumal	Francesco Riccio
Pierre Maillot	Oliver Richter
Yiran Mao	Muhammad Rifayat Samee
Ericsson Marin	Dimitris Rousidis
Johannes Marti	Sudipta Singha Roy
Gregory Martin	Laurence Roze
Justin Martineau	Sasha Rubin
Claudia Martins	Antonino Rullo
Aldo Marzullo	Omid Sadeghi
Sourav Medya	Alexander Sagel
Albert Meroño-Peñuela	Mohammad Saiedur Rahaman
Tomasz Michalak	Tommaso Salvatori
Ondrej Miksik	Muhammad Rifayat Samee
Alberto Molinari	Francesco Santini
Valentin Montmirail	Vieri Giuliano Santucci
Christopher Morris	Alessandro Sapienza
Ta Duy Nguyen	Gabriele Sartor
Tin Nguyen	Kai Sauerwald
Lei Niu	Buser Say
Eric Nunes	James Schimert
Johannes Oetsch	Okke Schrijvers
Mariana Oliveira	Elham Shaabani
Mayu Otani	Amir Shahroudy
Jan Otop	Hongchang Shan
Ankur Padia	Junyuan Shang
Divya Padmanabhan	Wei Shao
Prakash Panangaden	Yuping Shen
Antonio Parmezan	Yuanyuan Shi
Andrea Patane	Changjian Shui
Xiaochang Peng	Alban Siffer
José Luis Pérez de la Cruz Molina	Arlei Silva
Simona Perri	Carla Silva
Ahmad Pesaranghader	Sudipta Singha Roy
Matej Petković	Vincent Sippola
Carla Piazza	Eduardo Soares
Eric Piette	Dennis Soemers
Paulo Henrique Pisani	Mikhail Sokolov
Martin Plajner	Yuhang Song
Valerie Platsko	Hui Song
Paul Ploeger	Manuel Sorge
Jean-Philippe Poli	Helge Spieker
Caroline Ponzoni Carvalho Chanel	Antonino Staiano
Livia Predoiu	Andreas Steigmiller
Shi Pu	Matthew Stephenson
Anna Puig	Tomaž Stepišnik
Darre Puigh	Tyrone Strangway
Rui Qiao	Ofer Strichman
Arthur Queffelec	Martin Strobel
Eleanor Quint	Liessman Sturlaugson
Joe Raad	Yiwei Sun
Badran Raddaoui	Xin Sun

Mengying Sun
Andrzej Szalas
Xianfeng Tang
Xiaocheng Tang
Luis Tari
Carlo Taticchi
Nguyen Thai Binh
Leimin Tian
Francesco Tiezzi
Faraz Torabi
Khoi-Nguyen Tran
Adam Tsakalidis
Markus Ulbricht
Jorge Valverde
Mor Vered
Harit Vishwakarma
Jean-Noël Vittaut
Sheng Wan
Zhenyi Wang
Yuchen Wang
Yan Wang
Guangrun Wang
Xiaozhi Wang
Juntao Wang
Yue Wang
Jeaff Wang
Xindi Wang
Tomasz Was
Robert Wielgat
John Williamson
Piotr Witkowski
Ruidong Wu
Min Wu
Ning Xie
Ruobing Xie
Yuhui Xu
Zhaozhuo Xu
Weinqing Yan
Yi Yang
Wei Ye
Masashi Yoshikawa
Ping Yu
Jiahui Yu
Ruichi Yu
Hongyuan Yu
Marina Zanella
Jessica Zangari
Bruno Zanuttini
Runhao Zeng
Yue Zhang
Tingting Zhang
Yehong Zhang
Jing Zhang
Shuai Zhang
Zhibai Zhang

Yang Zhao
Weijie Zhao
Kui Zhao
Liyuan Zheng
Yufan Zhou
Tianyi Zhou

IJCAI'19 Demos Program Committee

Ewa Andrejczuk (Nanyang Technological University)
Athirai Aravazhi Irissappane (University of Washington Tacoma)
Bernhard Bauer (University of Augsburg)
Vaishak Belle (University of Edinburgh)
Lars Braubach (University of Applied Sciences Bremen)
Nils Bulling (TU Clausthal)
Zhiguang Cao (National University of Singapore)
Sujoy Chatterjee (University of Cote d'Azur)
Shuo Chen (Nanyang Technological University)
David Chin (University of Hawaii)
Stephen Cranefield (University of Otago)
Hoa Dam (University of Wollongong)
Yves Demazeau (Centre National de la Recherche Scientifique (CNRS))
Minh Do (NASA Ames Research Center)
Hui Fang (Shanghai University of Finance and Economics)
Jelena Fiosina (Clausthal University of Technology)
Maksims Fiosins (German Center for Neurodegenerative Diseases (DZNE))
Matjaz Gams (Jozef Stefan Institute)
Qing Guo (Nanyang Technological University)
Kamalakar Karlapalem (IIIT Hyderabad)
Jeffrey Kephart (IBM Research)
Akihiro Kishimoto (IBM Research)
Franziska Klügl (Örebro University)
Daniel Kudenko (University of York)
Sebastien Lalle (University of British Columbia)
Kate Larson (University of Waterloo)
Joao Leite (Universidade NOVA de Lisboa)
Xiaoming Li (Nanyang Technological University)
Zelei Liu (Jilin University)
Yong Liu (Nanyang Technological University)
Brian Logan (University of Nottingham)
Chong Long (Ant Financial Group)
Thibaut Lust (Sorbonne Université)
Nicholas Mattei (Tulane University)
Nir Oren (University of Aberdeen)
Weike Pan (Shenzhen University)
Andrea Passerini (University of Trento)
Andrew Perrault (University of Southern California)
Francois Schwarzentruher (ENS Rennes)
Onn Shehory (Bar Ilan University)
Wen Song (Nanyang Technological University)
Matthijs Spaan (Delft University of Technology)
Zhu Sun (Nanyang Technological University)

Ingo J. Timm (Trier University)
Alvaro Torralba (Saarland University)
Paolo Torrioni (University of Bologna)
M. Birna van Riemsdijk (University of Twente)
Julien Velcin (Université Lyon 2)
Bao Vo (Swinburne University of Technology)
Jiri Vokrinek (Czech Technical University in Prague)
Chang-Dong Wang (Sun Yat-sen University)
Yang Wang (University of Technology Sydney)
Xiguang Wei (WeBank)
Paul Weng (Shanghai Jiao Tong University)
Michael Winikoff (University of Otago)

Qiong Wu (Nanyang Technological University)
Pengwei Xing (Tianjin University)
Chang Xu (CSIRO Data61)
Yue Xu (Queensland University of Technology)
Nitin Yadav (University of Melbourne)
Han Yu (Nanyang Technological University)
Franco Zambonelli (Università di Modena e Reggio Emilia)
Qianru Zhang (The University of Hong Kong)
Xin Zhou (Nanyang Technological University)

IJCAI-19 Sponsorship

Main Sponsor

Sony

Diamond

Xiaoi
Baidu
Huawei
Artificial Intelligence Journal

Platinum

Tencent
Didi ChuXing
Squirrel AI Learning
Virtual Lindang Development Center

Gold

Lenovo Big Data
Openbayes

WeBank
IBM Research AI
ICE Kredit
Ali Baba Group

Silver

Prowler.io
Bosch
Jane Street
Hitachi
Tongdun

Bronze

Laiye
Micosrosoft

Industry day

PWC

Awards and Distinguished Reviewers

The IJCAI-19 Award for Research Excellence, the John McCarthy Award and the Computers and Thought Award are awarded by the IJCAI Board of Trustees, upon recommendation by the IJCAI-19 Awards Selection Committee, which consists this year of:

- Marie des Jardins, University of Maryland, Baltimore County (USA)
- Sarit Kraus, Bar-Ilan University (ISRAEL)
- Dan Roth, The Beckman Institute, University of Illinois at Urbana-Champaign (USA)
- Carles Sierra, Artificial Intelligence Research Institute (IIIA) (SPAIN)
- Michael Wooldridge, (Chair), Oxford University (UK)

The IJCAI Awards Selection Committee receives advice from members of the IJCAI-19 Awards Review Committee, who comment on the accuracy of the nomination material

and provide additional information about the nominees. The IJCAI-19 Awards Review Committee is the union of the former Trustees of IJCAI, the IJCAI-19 Advisory Committee, the Program Chairs of the last three IJCAI conferences, and the past recipients of the IJCAI Award for Research Excellence and the IJCAI Distinguished Service Award, with nominees excluded.

IJCAI 2019 Award for Research Excellence

The winner of the 2019 Award for Research Excellence is Yoav Shoham, Professor of Computer Science at Stanford University. Professor Shoham is recognized for contributions to knowledge representation, multi-agent systems, and the economic foundations of AI.

The Research Excellence award is given to a scientist who has carried out a program of research of consistently high quality throughout an entire career yielding several substantial results.

Past recipients of this honor are the most illustrious group of scientists from the field of Artificial Intelligence. They are: John McCarthy (1985), Allen Newell (1989), Marvin Minsky (1991), Raymond Reiter (1993), Herbert Simon (1995), Aravind Joshi (1997), Judea Pearl (1999), Donald Michie (2001), Nils Nilsson (2003), Geoffrey E. Hinton (2005), Alan Bundy (2007), Victor Lesser (2009), Robert Anthony Kowalski (2011), Hector Levesque (2013), Barbara Grosz (2015), Michael I. Jordan (2016), Andrew Barto (2017) and Jitendra Malik (2018).

IJCAI 2019 Computers and Thought Award

The winner of the 2019 IJCAI Computers and Thought Award is Guy Van den Broeck, Assistant Professor and Samueli Fellow at UCLA. Professor Van den Broeck is recognized for his contributions to statistical and relational artificial intelligence, and the study of tractability in learning and reasoning.

The Computers and Thought Award is presented at IJCAI conferences to outstanding young scientists in artificial intelligence. The award was established with royalties received from the book, *Computers and Thought*, edited by Edward Feigenbaum and Julian Feldman. It is currently supported by income from IJCAI funds.

Past recipients of this honor have been: Terry Winograd (1971), Patrick Winston (1973), Chuck Rieger (1975), Douglas Lenat (1977), David Marr (1979), Gerald Sussman (1981), Tom Mitchell (1983), Hector Levesque (1985), Johan de Kleer (1987), Henry Kautz (1989), Rodney Brooks (1991), Martha Pollack (1991), Hiroaki Kitano (1993), Sarit Kraus (1995), Stuart Russell (1995), Leslie Kaelbling (1997), Nicholas Jennings (1999), Daphne Koller (2001), Tuomas Sandholm (2003), Peter Stone (2007), Carlos Guestrin (2009), Andrew Ng (2009), Vincent Conitzer (2011), Malte Helmert (2011), Kristen Grauman (2013), Ariel Procaccia (2015), Percy Liang (2016), Devi Parikh (2017) and Stefano Ermon (2018).

IJCAI 2019 John McCarthy Award

The winner of the 2019 John McCarthy Award is Pedro Domingos, Professor at the University of Washington. Professor Domingos is recognized for contributions to machine learning and data science, and to unifying logic and probability.

The IJCAI John McCarthy Award is intended to recognize established mid-career researchers, typically between fifteen to twenty-five years after obtaining their PhD, that have built up a major track record of research excellence in artificial intelligence. Nominees of the award will have made significant contributions to the research agenda in their area and will have a first-rate profile of influential research results.

The award is named for John McCarthy (1927-2011), who is widely recognized as one of the founders of the field of ar-

tificial intelligence. As well as giving the discipline its name, McCarthy made fundamental contributions of lasting importance to computer science in general and artificial intelligence in particular, including time-sharing operating systems, the LISP programming languages, knowledge representation, common-sense reasoning, and the logicist paradigm in artificial intelligence. The award was established with the full support and encouragement of the McCarthy family.

Past recipients of this honor have been: Bart Selman (2015), Moshe Tennenholtz (2016), Dan Roth (2017) and Milind Tambe (2018).

IJCAI 2019 Donald E. Walker Distinguished Service Award

The IJCAI Distinguished Service Award 2019 winner is Francesca Rossi, Professor of Computer Science at the University of Padova, Italy, and Distinguished Research Staff Member of IBM Research, where she is the AI Ethics Global Leader. Professor Rossi is recognized for her substantial contributions, as well as her extensive service to the field of Artificial Intelligence in various roles throughout her career.

The IJCAI Distinguished Service Award was established in 1979 by the IJCAI Trustees to honor senior scientists in AI for contributions and service to the field during their careers. Previous recipients have been: Bernard Meltzer (1979), Arthur Samuel (1983), Donald Walker (1989), Woodrow Bledsoe (1991), Daniel G. Bobrow (1993), Wolfgang Bibel (1999), Barbara Grosz (2001), Alan Bundy (2003), Raj Reddy (2005), Ronald J. Brachman (2007), Luigia Carlucci Aiello (2009), Raymond C. Perrault (2011), Wolfgang Wahlster (2013), Anthony G. Cohn (2015), Erik Sandewall (2016) and Ramon Lopez de Mantaras (2017) and Craig Knoblock (2018).

IJCAI 2019 Minsky Medal

The Marvin Minsky Medal for Outstanding Achievements in AI is named for Marvin Minsky (1927-2016), one of the founders of the field of AI; the award was initiated with the full support of the Minsky family in 2018.

The inaugural Minsky Medal was awarded in 2018 to the AlphaGo team. The second Marvin Minsky Medal is awarded to the team behind Libratus, led by Prof. Tuomas Sandholm of Carnegie Mellon University. Libratus made headlines in January 2017 when it beat a group of champion human poker players in a 20-day no-limit tournament. Poker is a big challenge for AI because any poker player has to deal with incomplete information. The latter makes the computational challenge orders of magnitude harder, as one can not simply decompose a game in independent subgames, as is possible with chess or Go. Libratus used fundamentally new techniques for dealing with incomplete information, which have great potential for applications far beyond games. Industry days Libratus will play in a live demonstration against audience members on Tuesday August 13th.

Distinguished Program Committee Members

The quality of IJCAI 2019 program strongly depends on the hard work of the program committee members. Distinguished members were nominated by the Area Chairs and Senior Program Committee members for their exceptional reviewing contribution. In IJCAI 2019 there were 2818 program committee members and 772 senior program committee members who reviewed 4752 papers. Out of them 36 were selected as Distinguished Senior Program Committee Members, 4 as Highly Distinguished Program Committee members and 113 as Distinguished Program Committee members.

Distinguished Senior Program Committee Members

Cedric Archambeau
Haris Aziz
Yngvi Bjornsson
Elizabeth Black
Kathryn Blackmond Laskey
Sylvain Bouveret
Amedeo Cesta
Rama Chellappa
Berthe Choueiry
Martin Cooper
Cheng Deng
Jérôme Euzéat
Piotr Faliszewski
Pierre Flener
Davide Grossi
Paul Harrenstein
Patrik Haslum
Emmanuel Hébrard
Joerg Hoffman
Dietmar Jannach
Gabriele Kern-Isberner
Sébastien Konieczny
Jimmy Lee
Joao Leite
Carsten Lutz
Ines Lynce
Marie-Laure Mugnier
Sriraam Natarajan
Odile Papini
Simon Parsons
Leonard Poon
Laurent Simon
Ruck Thawonmas
Hanghang Tong
Roland Yap
Ding-Xuan Zhou

Highly Distinguished Program Committee Members

Kristijonas Čyras

Robert, Givan
Markus, Kröttsch
Brian, Logan

Distinguished Program Committee Members

Yossi Adi
Baris Akgun
Mehdi Elahi
Ricardo Araujo
Linus Baltrunas
Dorothea Baumeister
Alejandro Bellogin
Olivier Boissier
Andrea Borghesi
Alexander Borgida
Mihaela Bornea
Maximiliano Celmo David Budan
Olivier Cailloux
Carlos Caleiro
Florent Capelli
Christophe Cerisara
Xiaojun Chen
Marcello D'Agostino
Dave de Jong
Bart de Keijzer
Dario Della Monica
Jérôme Delobelle
Emir Demirovic
Carmine Dodaro
Yue Dong
Sebastijan Dumancic
Alain Dutech
Cristina Feier
Oliver Fernandez Gil
Atsushi Fujita
Esther Galbrun
Serge Gaspers
Malvin Gattinger
Birte Glimm
François Goasdoué
Sebastian Gottifredi
Umberto Grandi
Dagmar Gromann
Riccardo Guidott
Daniel Harabor
Conor Hayes
Xiangnan He
Marijn Heule
Tsuyoshi Ide
Georgiana Ifrim
Laurent Jeanpierre
Tommi Junttila
Anna Jurek-Loughrey
Cezary Kaliszyk

Nikos Karanikolas
Samuel Kaski
Akihiro Kishimoto
Matthias Knorr
Christophe Labreuche
Jean-Marie Lagniez
Marc Lanctot
Levi Lelis
Qi Li
Boyang Li
Jialin Liu
Brendan Lucier
Yong Luo
Shan Luo
Florent Madelaine
Anders Madsen
Jean-Guy Mailly
Toni Mancini
Francesco Maria Donini
Avner May
Tim Miller
Michael Morak
TingTing Mu
Thomas Nielsen
Alexandre Niveau
Valsamis Ntouskos
Michal Ozery-Flato
Francesco Parisi
Gauthier Picard
Ingo Pill
Sylvia Polberg
Charles Prud'homme
Heri Ramampiaro

Rudy Raymond
Maria Andreina Francisco Rodriguez
Christopher Rosin
Sasha Rubin
Nicolas Sabouret
Nisarg Shah
Mohamed Siala
Silvan Sievers
Arunesh Sinha
Leen-Kiat Soh
Kaisong Song
Gerald Steinbaue
Christian Straßer
Jose Such
Zachary Sunberg
Gavin Taylor
Florent Teichteil-Koenigsbuch
Cyril Terrioux
Stefano Teso
Matthias Thimm
Nava Tintarev
Alice Toniolo
Jan Van Haaren
Johannes Wallner
Can Wang
Huijuan Xu
Hiroki Yanagisawa
Bin Yang
Yazhou Yao
Meng Ye
Yair Zick

IJCAI-19 Organisation

Current Trustees

Prof. Qiang Yang (Hong Kong University of Science and Technology, Hong Kong)
Prof. Michael Wooldridge (University of Oxford, UK)
Prof. Fahiem Bacchus (University of Toronto, Canada)
Prof. Carles Sierra (IIIA-CSIC, Catalonia, Spain)
Prof. Jeffrey Rosenschein (The Hebrew University of Jerusalem, Israel)
Prof. Jérôme Lang (University Paris Dauphine, France)
Prof. Thomas Eiter (Technische Universität Wien, Austria)
Prof. Sarit Kraus (Bar-Ilan University, Israel)
Prof. Marie des Jardins (Simmons University, USA)
Prof. Christian Bessière (Université Montpellier 2, France)

Trustees elect

Prof. Maria Gini (University of Minnesota Twin Cities, USA)
Prof. Zhi-Hua Zhou (Nanjing University, France)

IJCAI secretariat

Prof. Bernhard Nebel (Albert-Ludwigs-Universität Freiburg, Germany)
Ms. Vesna Sabljakovic-Fritz (Vienna University of Technology, Austria)

Former trustees serving on the executive committee

Prof. Francesca Rossi (University of Padova, Italy)
Prof. Craig Knoblock (University of Southern California, USA)
Prof. Hiroaki Kitano (Sony Computer Science Laboratories, Inc., Japan)
Prof. Ramon López de Màntaras (IIIA-CSIC, Spain)
Prof. Fausto Giunchiglia (University of Trento, Italy)
Prof. Anthony G. Cohn (University of Leeds, UK)
Prof. Hector Levesque (University of Toronto, Canada)
Prof. Luigia Carlucci Aiello (Università di Roma La Sapienza, Italy)
Dr. Michael P. Georgeff (Georgeff International Inc, Australia)
Dr. C. Raymond Perrault (SRI International, Artificial Intelligence Center, USA)
Prof. Wolfgang Wahlster (German Research Center for AI (DFKI), Germany)
Prof. Barbara J. Grosz (Harvard University, USA)
Prof. Wolfgang Bibel (Darmstadt University of Technology, Germany)
Prof. Alan Bundy (University of Edinburgh, UK)

Prof. Alan Mackworth (University of British Columbia, Canada)
Dr. Patrick J. Hayes (IHMC-UWF, USA)
Prof. D. Raj Reddy (Carnegie Mellon University, USA)
Prof. Erik Sandewall (Linköping University, Sweden)

Other former Trustees

Prof. Subbarao Kambhampati (Arizona State University Tempe, USA)
Prof. Gerhard Brewka (Institute University of Leipzig Augustusplatz, DE)
Prof. Sebastian Thrun (Stanford University, USA)
Prof. Toby Walsh (NICTA, Australia)
Prof. Manuela M. Veloso (Carnegie Mellon University, USA)
Prof. Ramasamy Uthrusamy (General Motors Corporation, USA)
Prof. Leslie Pack Kaelbling (Massachusetts Institute of Technology, USA)
Prof. Georg Gottlob (University of Technology Vienna, Austria)
Prof. Bernhard Nebel (Albert-Ludwigs-Universität, Germany)
Prof. Thomas Dean (Brown University, USA)
Prof. Martha E. Pollack (University of Pittsburgh, USA)
Prof. Ronald J. Brachman (Jacobs Technion-Cornell Institute at Cornell Tech, USA)
Prof. Chris S. Mellish (University of Edinburgh, UK)
Prof. Ruzena Bajcsy (University of Pennsylvania, USA)
Prof. John Mylopoulos (University of Toronto, Canada)
Prof. John McDermott (Carnegie-Mellon University, USA)
Prof. Aravind Joshi (University of Pennsylvania, USA)
Prof. Alan Bundy (University of Edinburgh, UK)
Prof. Roger Schank (Yale University, USA)
Prof. Bruce Buchanan (Stanford University, USA)
Prof. Raj Reddy (Carnegie-Mellon University, USA)
Prof. Patrick Winston (Artificial Intelligence Laboratory, USA)
Prof. Saul Amarel (Rutgers University, USA)
Prof. Woodrow W. Bledsoe (University of Texas at Austin, USA)
Prof. Max B. Clowes (University of Sussex, UK)
Prof. David C. Cooper (Swansea University, UK)
Prof. Alistair D.C. Holden (University of Washington, USA)
Prof. Ray Reiter (University of Toronto, Canada)
Dr. N. S. Sridharan (FMC Corporation, Central Engineering Laboratories, USA)
Dr. Donald E. Walker (Bellcore, Morristown, USA)
Prof. Carl Hewitt (Artificial Intelligence Laboratory, USA)
Dr. Nils Nilsson (SRI International, USA)

Past IJCAI Conferences

This volume contains the proceedings of the twenty-eighth IJCAI conference. The locations and times of all 28 IJCAI conferences are as follows:

- 28 IJCAI-19: Macao, China (August 10–16)
- 27 IJCAI-ECAI-18: Stockholm, Sweden (July 13–19)
- 26 IJCAI-17: Melbourne, Australia (August 19–25)
- 25 IJCAI-16: New York, USA (July 9–15)
- 24 IJCAI-15: Buenos Aires, Argentina (July 25–31)
- 23 IJCAI-13: Beijing, China (August 3–9)
- 22 IJCAI-11: Barcelona, Catalonia, Spain (July 16–22)
- 21 IJCAI-09: Pasadena, California, USA (July 11–17)
- 20 IJCAI-07: Hyderabad, India (January 6–12)
- 19 IJCAI-05: Edinburgh, Scotland (July 30–August 5)
- 18 IJCAI-03: Acapulco, Mexico (August 9–15)
- 17 IJCAI-01: Seattle, Washington, USA (August 4–10)
- 16 IJCAI-99: Stockholm, Sweden (July 31–August 6)
- 15 IJCAI-97: Nagoya, Japan (August 23–29)
- 14 IJCAI-95: Montreal, Canada (August 20–25)
- 13 IJCAI-93: Chambéry, France (August 28–September 3)
- 12 IJCAI-91: Sydney, Australia (August 24–30)
- 11 IJCAI-89: Detroit, Michigan, USA (August 20–26)
- 10 IJCAI-87: Milan, Italy (August 23–29)
- 9 IJCAI-85: Los Angeles, California, USA (August 18–23)
- 8 IJCAI-83: Karlsruhe, Germany (August 8–12)
- 7 IJCAI-81: Vancouver, Canada (August 24–28)
- 6 IJCAI-79: Tokyo, Japan (August 20–23)
- 5 IJCAI-77: Cambridge, MA, USA (August 22–25)
- 4 IJCAI-75: Tbilisi, Georgia, USSR (September 3–8)
- 3 IJCAI-73: Stanford, California, USA (August 20–23)
- 2 IJCAI-71: London, UK (September 1–3)
- 1 IJCAI-69: Washington, D.C., USA (May 7–9)