

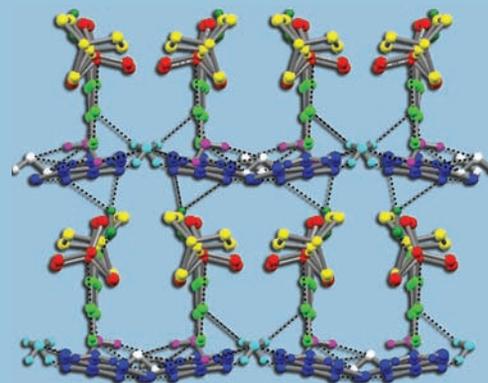
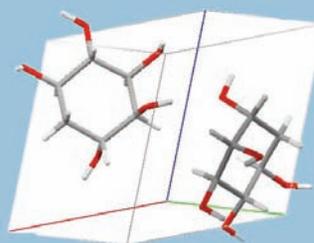
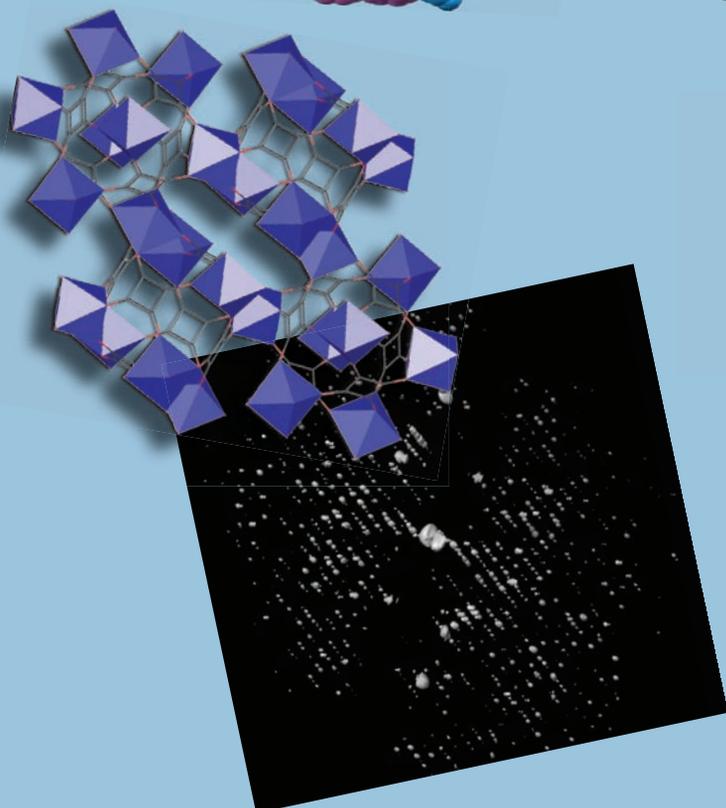
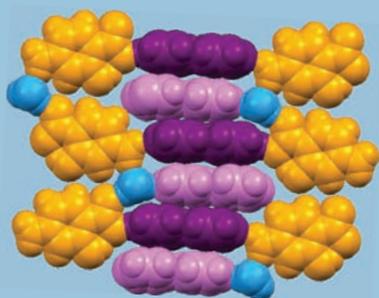
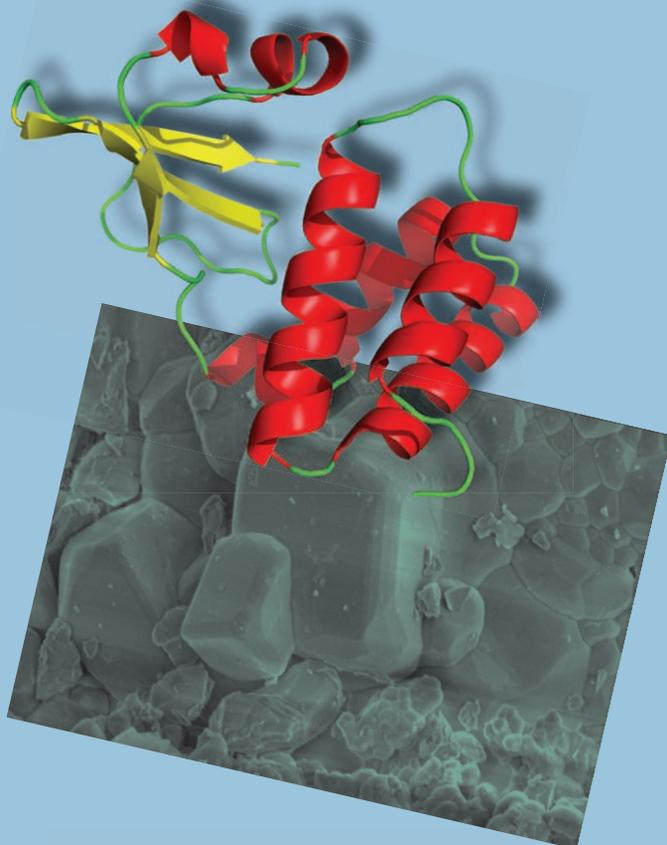
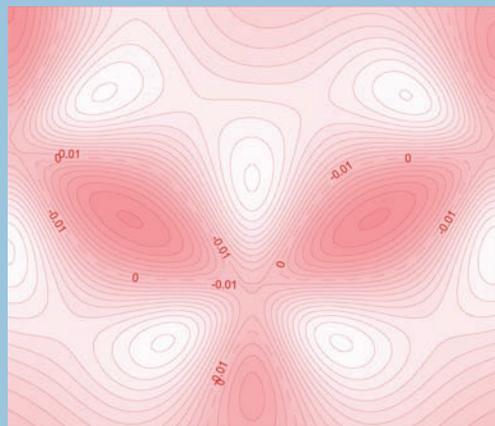


INTERNATIONAL UNION OF Crystallography

www.iucr.org

NEWSLETTER

Volume 18, Number 1 ♦ 2010





2010 Award Winners

The American Crystallographic Association has announced its 2010 award winners.



Anthony L. Spek

Anthony L. Spek (Utrecht U. Bijvoet Center for Biomolecular Research) has been selected to receive the 2010 Kenneth Trueblood award for his outstanding contributions to chemical crystallography and crystallographic computing.



David Watkin

David Watkin (Oxford U.) is the recipient of the 2010 Isidor Fankuchen Award for his stewardship of the crystallographic software package "CRYSTALS" for x-ray structure refinement and analysis. The worldwide success of CRYSTALS, used by students, academics and industrial users alike, can be attributed to its ease of use and to Watkin's unceasing support of the software and its users.

Raymond C. Trievel (U. of Michigan) received the 2010 Margaret C. Etter Early Career Award for his achievements in elucidating the substrate specificity and catalytic mechanism of histone methyltransferases in the short time that he has been an independent researcher.

The awards will be presented at the ACA meeting in Chicago, IL, July 24-29, 2010. ❖



Raymond C. Trievel

Iijima Receives Japan's Top Cultural Award

BY TSUYOSHI INOUE

Sumio Iijima (Senior Research Fellow at NEC Corporation, Professor of Meiji U., Research Director of the International Cooperative Research Project at the Japan Science and Technology Corporation (JST), and Director of the Research Center for Advanced Carbon Materials at the National Institute of Advanced Industrial Science and Technology (AIST)) has been selected to receive The Order of Culture (bunka kunshō, Japan's top cultural award). Japanese Government recognizes Dr. Iijima's contributions to the development of high resolution electron microscopy and discovery of carbon nanotubes.



In 1991, using advanced electron microscopy techniques, he discovered the needle crystal which was synthesized on a carbon electrode subjected to arc discharge. He then clarified that the crystals are made of carbon with a cylindrical nanostructure, and called them nanotubes. Dr. Iijima opened a global research field of carbon nanotechnology from basic materials science to practical applications.

The Order of Culture is given to the people who contribute to art, literature or culture in Japan. In 2009, only 5 people were selected. The Order was presented at the ceremony held in the Imperial Palace on November 3, 2009. ❖

ON THE COVER

Images from winning poster prizes at the ACA and ECM 2009 annual meetings. Clockwise from top right: "Topological Analysis of Vanadium Borides from High Resolution Single-crystal Diffraction Data" (Bürgehan Terlan), "Structural Studies of Ebolavirus VP35" (Christopher Kimberlin), Crystal Chemistry of the Divalent Cations in Solid-state Synthesized Fallowite-type Phosphates (Mélanie Rondeux), Hydrogen-bond Patterns in the 1,3,6-ciclohexanopentol (Paulo Carvalho), "New Crystal Forms of the Antibiotic 4-aminosalicylic Acid" (Vânia Mafalda de Oliveira André), "Application of Automated Diffraction Tomography to Structural Solution of Inorganic Phases: Charoite" (Enrico Mugnaioli) A New Sc MOF Built up from Octadecasil Zeolitic Cages as Heterogeneous Catalyst (Felipe Gandara), and "New Crystal Forms of the Antibiotic 4-aminosalicylic Acid" (Vânia Mafalda de Oliveira André).

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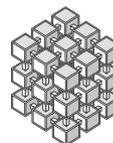
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ECM25

Istanbul, Turkey, August 2009. www.ecanews.org

BY ENGIN KENDI, JOHN R HELLIWELL, SUHEYLA OZBEY AND SEMRA IDE

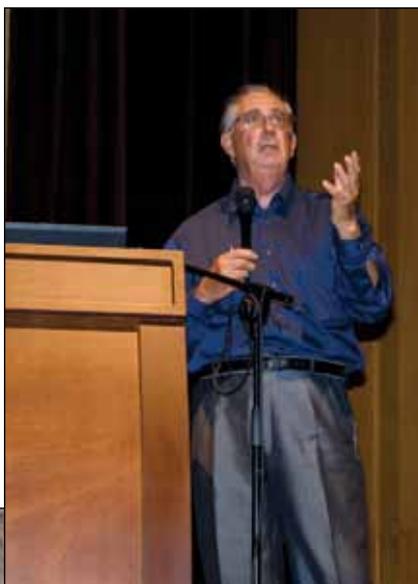
ON BEHALF OF THE ECM25 LOCAL ORGANIZING COMMITTEE AND THE PROGRAMME COMMITTEE AS WELL AS THE ECA.

The 25th European Crystallography Meeting had a special significance for Organizers and Participants of the meeting as well as the European Crystallographic Association itself. Thus, along with the usual microsymbposia, plenary lectures, an Opening Ceremony and meetings of the ECA Council, the ECA Executive and the SIGs', a special ceremony to mark the 25th Anniversary. André Authier, first Chairman of the European Crystallographic Committee, presented a Historical Overview of the formation of the ECA and its early history. This Lecture has been published in *Acta Cryst.* A66, 1-4:- "*The birth of the European Crystallographic Committee (ECC) and of the European Crystallographic Meetings (ECMs)*".

The distribution of oral and poster presentations in the major categories of crystallographic research was as follows: (the first percentage being the oral presentations and the second being the posters). Biological and Macromolecular Crystallography (29%, 21%); Materials and Minerals (23%, 21%); Physical including fundamental crystallog-

raphy (8%, 5%); Chemical Crystallography (25%, 40%); Experimental and Computational techniques (15%, 13%). These five ECM Focus Areas map onto the thirteen ECA SIGs (see www.ecanews.org/sig_approved.php). Overall there were a total of 235 and 482 oral and poster presentations and the Participants came from 51 countries. There was also a *Crystallographic Software Faire* organized by Martin Lutz, as well as a Commercial Exhibition comprising 27 Exhibitors. There were a total of 71 student bursaries awarded, which were supported financially by the following sponsors;- the IUCr, ECA, the Turkish Crystallographic Association (TCA), the Turkish Scientific and Technical Research Council (TUBITAK) and the Organization for the Prohibition of Chemical Weapons (OPCW) comprising a total of \$12000 and 12000 Euros.

Added to this Program the usual Awards for the Perutz Prize and the Bertaut Prize were both made. The details of these have been published in a previous *IUCr Newsletter* and are also available on the ECA website:-www.ecanews.org/ecaprize.php. There are now also a wide variety of ECM Poster Prizes and the recipients and sponsors of these Prizes



Right: André Authier delivers his Historical Overview at ECM25.

Below: Swirling Dervishes at the Church of St Irene.



are summarised at www.ecanews.org/posterprize.php. These latter Prizes were presented at the ECM25 Closing Ceremony.

A Satellite Conference on Mathematical and Theoretical Crystallography "*Symmetry and Crystallography in Turkish Art and Culture*", organized by Massimo Nespolo, was held immediately before ECM25, also at the Istanbul Military Museum and Congress Centre.

The Social Program was able to draw on the rich and diverse culture and buildings of Istanbul. a Concert was held at the Church of St Irene and included both orchestra and Swirling Dervishes performances (the latter pictured). The Gala Dinner was held at the Dolmabahce Palace followed by dancing by the diners. The Excursion Day, i.e. the day after the Scientific Conference had concluded, was a Bosphorus Cruise. In addition Turkish Military Orchestra and Turkish Dance performances were given at the Opening Ceremony and the 25th Anniversary evening respectively.

Overall, the 805 Delegates, the 75 Accompanying Persons and the 70 Exhibitor Representatives enjoyed a truly memorable scientific and cultural program.

Gala Dinner in the grounds of the Dolmabahce Palace



scientific and cultural program.

In terms of new initiatives for the ECA it was a pleasure to formally host the Young Crystallographers at the Istanbul Technical University Guest House poolside (the Leaders of the British and Spanish Young Crystallographers are pictured below with the ECA outgoing and incoming Presidents). ❖

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Leaders of the British (Susanne Huth (now Coles) centre) and Spanish Young Crystallographers (Laura Rocas and Laura Torre-Fernandez, centre left and right respectively) with ECA President John Helliwell and ECA Incoming President Santiago Garcia-Granda left and right at ECM25.

2010 Darmstadt

ECM-26 will be held in Darmstadt, Germany

August 29 - September 2, 2010

<http://ecm26.org/>

See Page 23 for more information

ECM 26