

## ISOC Fellowship to the IETF 2008 Year in Review

The year 2008 marked the second full year of the Internet Society's Fellowship to the IETF Programme, a part of ISOC's Internet Leaders programme. Building on the momentum and experience generated already, the programme enjoyed continued success, sending a total of 16 first-time Fellows from 13 countries to IETF meetings in 2008. We also expanded the programme in 2008 by implementing a Returning Fellows Programme. This helps highly motivated Fellowship alumni to return for a second IETF meeting.

Our objective remains the same for both programmes: to foster greater understanding of and participation in the Internet standards-setting process by talented individuals from developing countries.

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*The network of friends I created during the IETF meeting will be a vital resource in my work both now and in the future.*

—Vincent Ngundi  
ISOC Fellow at IETF 71 in Philadelphia, U.S.A.

*ISOC Fellows to IETF 71, from left to right:  
Muvivedu Shroff Rajesh, Mohibul Hasib  
Mahmud, Vincent Ngundi, Max Larson  
Henry, Dessalegn Mequanint Yehuala,  
and Asim Zaheer*



*I can only think: Amazing! I had a great week at the IETF. I'm very happy; the experience was more than I expected.*

—Alejandro Acosta

ISOC Fellow at IETF 72 in Dublin, Ireland

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## Programme Overview

### The Fellowship Award

Recipients of the ISOC Fellowship to the IETF receive the following assistance:

- An economy-class airline ticket to the meeting
- Hotel accommodation
- IETF meeting registration fees
- The fee for the IETF social event
- A stipend to offset incidental expenses
- A certificate of participation after successfully participating in the ISOC Fellowship to the IETF

Fellows are paired with Mentors in their areas of interest to help them prepare for the meeting and to assist them throughout the week of the IETF.

During the meeting, the Mentors and ISOC staff assist Fellows with introductions to experts in Fellow's areas of interest.

### Expectations for the Fellows

ISOC Fellows are expected to:

- Prepare in advance of the IETF meeting by reading relevant IETF documents and working-group discussions in their areas of interest
- Attend the IETF newcomers tutorial, plenary sessions, and working-group sessions throughout the week
- Share the experience and knowledge gained at the IETF with their local communities when they return home (including writing a report on the activities)
- Participate in the Fellowship Alumni Network
- Assist with administrative aspects of the programme, including completion of a follow-up survey

## Mentors: Guiding the Way

Each Fellow is paired with an experienced IETF participant, who acts as a Mentor. The Mentor helps the Fellow understand how the IETF works and how the Fellow can participate and contribute.

Prior to the IETF meeting, the Mentor directs the Fellow to relevant documents and drafts being discussed in Working Groups, so the Fellow is prepared for the meeting.

Social networking is an important benefit of attending an IETF meeting in person. During the week, the Mentor helps the Fellow identify which Working-Group meetings to attend and introduces the Fellow to people who work in the same field. These introductions help Fellows feel more relaxed and make it easier for them to participate remotely after the meeting.

### Mentors for the 2008 Fellowship

Alain Aina, Technologies Réseaux et Solutions

Fred Baker, Cisco

Carsten Bormann, Technologie-Zentrum Informatik

Stéphane Bortzmeyer, Association Française pour le Nommage Internet en Coopération

Elwyn Davies, Folly Consulting Ltd.

Patrik Fältström, Cisco

David Farmer, University of Minnesota

Roque Gagliano, Latin American and Caribbean Internet Addresses Registry

Hadriel Kaplan, Acme Packet

Shane Kerr, Afiliias

Dave Knight, Afiliias

Dave Meyer, Cisco

George Michaelson, Asia Pacific Network Information Centre

Erik Nordmark, Sun Microsystems

Hesham Soliman, Elevate Mobile Technologies

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*My Mentor was a tremendous help—both for understanding how the IETF meeting works and for helping solve Internet problems in my country, Tuvalu.*

—Tenanoia Veronica Simona

ISOC Fellow at IETF 73 in Minneapolis, U.S.A.

## 2008 ISOC Fellowship to the IETF Awardees (First-Time Fellows)

### IETF 71 (9–14 March 2008) Philadelphia, U.S.A.

#### *Max Larson Henry (Haiti)*

Faculty Member, Faculté des Sciences, Université d'État d'Haïti  
Interests: DNS Operations, IP over IEEE 802.16 Networks, IP Telephony, Session Initiation Protocol

#### *Mohibul Hasib Mahmud (Bangladesh)*

Manager, Network Routing, BRAC BDMail Network Ltd.  
Interests: Inter-Domain Routing

#### *Vincent Ngundi (Kenya)*

Technical Manager, Kenya Network Information Center  
Interests: DNS Extensions and Operations

#### *Mudivedu Shroff Rajesh (India)*

Network and Systems Administrator, Indian Institute of Science  
Interests: IPv6, IP over IEEE 802.16 Networks, Ad-Hoc Network Autoconfiguration

#### *Dessalegn Mequanint Yehuala (Ethiopia)*

Lecturer/Researcher, Computer Science Department, Addis Ababa University  
Interests: Session Peering for Multimedia Interconnect

#### *Asim Zaheer (Pakistan)*

Mentor graphics and part-time graduate student, Lahore University of Management Sciences  
Interests: Session Initiation Protocol, Security Area, Mobility, IP Security, IP over IEEE 802.16 Networks

### IETF 72 (27 July–1 August 2008) Dublin, Ireland

#### *Alejandro Acosta (Venezuela)*

Internetworking Coordinator, British Telecom–Venezuela  
Interests: IPv6 and TCP Maintenance, Minor Extensions

#### *Ali Hammad Akbar (Pakistan)*

Assistant Professor, Computer Science and Engineering, University of Engineering and Technology, Lahore  
Interests: IPv6 over Low Power WPAN

#### *Tamrat Bayle (Ethiopia)*

Assistant Professor and Department Head, Information Technology, College of Telecommunications and Information Technology of Ethiopian Telecommunications Corporation  
Interests: Multiprotocol Label Switching, IP Security Maintenance and Extensions, IP over IEEE 802.16 Networks

#### *Mohamad Dikshie Fauzie (Indonesia)*

Ph.D. candidate, Graduate School of Media and Governance, Keio University, Shonan  
Interests: IPv6, Protocol Independent Multicast, IP Flow Information Export

#### *Hugo Salgado (Chile)*

Software Engineer/.CL ccTLD operator, NIC Chile  
Interests: DNS Extensions, Telephone Number Mapping, Internationalized Domain Names in Applications

#### *Kumar Saurabh (India)*

Principal Software Engineer, Movik Networks (India)  
Interests: Session Initiation Protocol

### IETF 73 (16–21 November 2008) Minneapolis, U.S.A.

#### *Carlos Alberto Watson Carazo (Costa Rica)*

System/Network Administrator; Network Instructor ANC NIC Internet Costa Rica; University of Costa Rica  
Interests: DNS Operations, Multicast Security, IPv6 Maintenance

#### *Jean Philemon Kissangou (Republic of the Congo)*

Technical Manager, DRTVnet (ISP)  
Interests: Internationalized Domain Names in Applications

#### *Terry Rupeni (Fiji)*

Network Analyst, University of the South Pacific  
Interests: Routing Area, IPv6, Routing Protocol Security Requirements

#### *Tenanoia Veronica Simona (Tuvalu)*

IT Manager, Tuvalu Telecommunication Company  
Interests: IP Telephony, IP over Cable Data Network, Mobility Extensions for IPv6

*Fellows, Mentors, and Corporate Sponsors,  
IETF 72, Dublin, Ireland, July 2008*



## Survey: Attending the IETF

After the IETF meeting, Fellows are asked to reflect on the week, complete an online survey, and provide feedback on the programme for ISOC staff. Fellows are asked to rate statements on a scale of 1 (very easy) to 5 (very challenging). The results are telling: 13 out of 16 Fellows feel it is easy or very easy to understand the IETF structure and decision-making process, to understand technical discussion and debates in working groups, and to approach other IETF attendees for help or to discuss issues. The results speak to the inviting, collegial environment of the IETF and the pre-meeting preparation provided for Fellows by their Mentors. The Fellow/Mentor matching process is a key factor in lowering barriers to effective participation at the IETF meeting.

## Sharing the Fellowship Experience

An important part of the programme is for Fellows to share the knowledge they gained at the IETF with others in their local areas or regions. This can be done by, for example, making a presentation at a relevant professional, academic, or technical meeting, speaking at an association meeting or local ISOC chapter event, or writing an article for a relevant local publication. Fellows are asked to provide verification of their IETF information-sharing activities within six months of attending the meeting by completing a post-IETF report online.

## Highlights from Select Fellows' Reports



Alejandro Acosta

**Alejandro Acosta (Venezuela)** I had the opportunity to talk with Richard Lamb, who told me how easy it is to set up a secure DNS server. When I got back to Venezuela, I set up one with my colleagues. It was very exciting. Regarding IPv6, I improved the IPv6 implementation for BT Venezuela, and I am already in talks with a university here [Universidad Nacional Experimental Simón Rodríguez] to implement IPv6.



Mudivedu Shroff Rajesh

**Mudivedu Shroff Rajesh (India)** I organized a meeting with local network engineers to share my IETF 71 experience. I started off by discussing the switching off of IPv4 that occurred at IETF 71 and the transition to IPv6. The IETF 71 IPv4-outage experiment was interesting to my audience. Real-time deployment of IPv6 technical content was the core issue. I lectured on how working groups work and what happens in the meetings during the IETF. This topic was entirely new for my audience.



Dessalegn Mequanint Yehuala

**Dessalegn Mequanint Yehuala (Ethiopia)** I delivered a speech to share my perspectives on ISOC and the IETF with the academic staff members of my employer [Addis Ababa University]. I conducted a seminar entitled "VoIP in Connection with the Work of the SPEERMINT Working Group."

*It was remarkably easy for me to approach IETF attendees and exchange ideas with them.*

—Kumar Saurabh

ISOC Fellow at IETF 72 in Dublin, Ireland

## 2008 Programme Enhancements: The Returning Fellows Programme

With so many benefits provided in a first-time fellowship to the IETF, ISOC believes that a chance to attend another meeting, as a Returning Fellow, will over time (1) help build communities in developing countries by providing easier access to the IETF standards development process and (2) increase the visibility of the IETF in developing countries.

ISOC created the Returning Fellows Programme to:

- Provide an opportunity for highly committed Fellowship alumni to return to the IETF to advance specific standards work
- More fully integrate technologists from the developing world into the IETF
- Advance the technical leadership potential of individuals from the developing world

The Returning Fellows Programme provides select alumni with the opportunity to attend another IETF meeting. ISOC invites applications from alumni who wish to actively participate in and contribute to the work of the IETF and who feel that attending another meeting in person is essential to their professional development and local communities.



IETF 71, Philadelphia, U.S.A., March 2008

## 2008 Returning Fellowship Awardees

### IETF 72 (27 July–1 August 2008) Dublin, Ireland

#### *Alberto Castro (Uruguay)*

Faculty Member, Computer Science Department,  
Universidad de la República Oriental del Uruguay  
Interests: Path Computation Element, Locator/ID  
Separation Protocol

#### *Martín Germán (Uruguay)*

Faculty Member, Computer Science Department,  
Universidad de la República Oriental del Uruguay  
Interests: Path Computation Element, Locator/ID  
Separation Protocol

#### *Subramanian Moonesamy (Mauritius)*

Consultant, Eland Systems  
Interests: SMTP, Domain Keys Identified Mail,  
E-mail Address Internationalization

### IETF 73 (16–21 November 2008) Minneapolis, U.S.A.

#### *Burmaa Baasansuren (Mongolia)*

Director of .MN Registry, Datacom LTD  
Interests: Email Address Internationalization,  
Internationalized Domain Names in Applications

#### *Mohibul Hasib Mahmud (Bangladesh)*

Manager, Network Routing, BRAC BDMail Network Ltd.  
Interests: DNS Operations

#### *Veaceslav Sidorenco (Moldova)*

Associate Professor, Technical University, Chisinau,  
Moldova  
Interests: Operations and Management Area

*If you are in it to learn and share, and you are prepared to put in the time and effort, it is an enlightening experience.*

—Subramanian Moonesamy

Returning ISOC Fellow at IETF 72 in Dublin, Ireland

### Fellows from around the World

During 2008, 16 ISOC Fellows to the IETF represented 13 developing nations, raising the number of countries represented since the programme's inception to 25—spanning Africa, Asia, Eastern Europe, Latin America and the Caribbean, and the Pacific Islands.



Max Larson Henry (Haiti), IETF 71



Subramanian Moonesamy (Mauritius), IETF 72

#### Africa

<b>2008 Fellows</b>	<b>4</b>
Ethiopia	2
Kenya	1
Republic of the Congo	1
<b>Fellows to Date</b>	<b>9</b>
Ethiopia	2
Kenya	3
Mauritius	1
Republic of the Congo	1
Togo	1
Tunisia	1

#### Asia

<b>2008 Fellows</b>	<b>6</b>
Bangladesh	1
India	2
Indonesia	1
Pakistan	2
<b>Fellows to Date</b>	<b>10</b>
Bangladesh	1
India	2
Indonesia	1
Mongolia	1
Nepal	1
Pakistan	3
Sri Lanka	1





**Eastern Europe**

<b><i>Fellows to Date</i></b>	<b><i>1</i></b>
Moldova	1

*Martín Germán (Uruguay), IETF 72*



**Latin America and the Caribbean**

<b><i>2008 Fellows</i></b>	<b><i>4</i></b>
Chile	1
Costa Rica	1
Haiti	1
Venezuela	1
<b><i>Fellows to Date</i></b>	<b><i>12</i></b>
Brazil	3
Chile	1
Colombia	1
Costa Rica	1
Haiti	1
Mexico	2
Uruguay	2
Venezuela	1



**Pacific Islands**

<b><i>2008 Fellows</i></b>	<b><i>2</i></b>
Fiji	1
Tuvalu	1
<b><i>Fellows to Date</i></b>	<b><i>4</i></b>
Fiji	2
Samoa	1
Tuvalu	1

### Recognition of 2008 Organisational Sponsors

Four organisational sponsors supported the ISOC Fellowship to the IETF in 2008. Their contributions to this important programme were recognized in press releases, on the ISOC Fellowship web site, and in the *IETF Journal*. ISOC thanks the following companies for sponsoring the ISOC Fellowship to the IETF in 2008:



The Internet Society is pleased to recognise Nominet Trust as a programme sponsor starting in 2009.

**nominet**trust

### Become an ISOC Fellowship to the IETF Programme Sponsor

ISOC is pleased to extend an invitation to sponsor the ISOC Fellowship to the IETF programme in 2009 and beyond. In addition to demonstrating your organisation's commitment to technical capacity building and leadership development in less-developed regions, sponsorship will afford your organisation a range of sponsorship benefits. For more information on how to become a sponsor and to learn more about how sponsorship can benefit your organisation, visit <http://www.isoc.org/educpillar/fellowship/sponsorship.shtml> or e-mail [fellow-sponsor@isoc.org](mailto:fellow-sponsor@isoc.org).

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A nonprofit organisation, the Internet Society was founded in 1992 as a leader in promoting the evolution and growth of the Internet. Through our members, chapters, and partners, we are the hub of the largest international network of people and organisations that work with the Internet. We work on many levels to address the development, availability, and technology of the Internet.

The Internet is critical to advancing economic growth, community self-reliance, and social justice throughout the world. Become a member of the Internet Society and share this vision. For more information, visit <http://www.isoc.org>.

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