

Summary of the II Workshop Pre-IETF/IRTF Brazil 2015

The II Workshop Pré-IETF/IRTF (WPIETFIRTF), 21-22 July 2015, Recife, Pernambuco, Brazil, was a side event to the XXXV Congress of the Brazilian Computing Society (CSBC 2015). This document presents a summary of the workshop, convened by a group of volunteers emerged from the “IETF – LAC mailing list”, aiming at increasing Latin American presence in the Internet Engineering Task Force (IETF) initiatives, such as the process of Internet protocol standardization. Besides outreaching about IETF, the plan is to provide an environment that allows our technicians, researchers and students to present their skills in advance of any IETF meeting. The WPIETFIRTF was officially supported by the Internet Society (ISOC), an international, non-profit organization founded in 1992 to provide leadership in Internet related standards, education, and policy. The Internet Society mission is to promote the open development, evolution and use of the Internet for the benefit of all people throughout the world.

The WPIETFIRTF was organized into three main activities:

1. Research paper presentations
2. Panel: The Brazil participation in the IETF initiatives and actions to take for increasing the number of participants
3. Remote HUB of the IETF'93, Prague, Czech Republic



Figure 1: Official picture with all the participants in the end of the workshop.

In the next sections, it is presented a summary of the three main activities aforementioned.

1 Research paper presentations

This each the program committee of the WPIETFIRTF approved 6 paper:

1. **Adaptação de um Protocolo de Medição Ativa para Redes Tolerantes a Atrasos/Desconexões**
Carlos Lamb (UNISINOS), Jéferson Nobre (UFRGS)
2. **Avaliando o Desempenho de uma Rede Aeronáutica Tolerante a Interrupções Programadas para Comunicação dos Passageiros Aéreos**
Rafael de Amorim Silva (UFAL), Leandro de Sales (UFAL), Alessandro Anzaloni (ITA)
3. **Uma proposta para o uso de Elementos Inteligentes em Domínios Restritos da Infraestrutura da Internet**
Juliao Braga (UPM), Nizam Omara (UPM), Lisandro Zambenedetti Granville (UFRGS)
4. **Aplicabilidade do Global Media Transmission Protocol (GMTP)**
Wendell Soares (UFAL), Leandro de Sales (UFAL), André Lage (UFAL), Mario André Costa (UFAL), Joilnen Leite (UFAL)
5. **Experience Report about the Activities in the Mackenzie Presbyterian University related to IETF, IRTF and Internet Society**
Julião Braga (UPM), Nizam Omar (UPM), Vagner da Silva (UCSul)
6. **Experience Report about the Participation of Researchers of the Federal University of Rio Grande do Sul on the Internet Engineering Task Force**
Jéferson Nobre (UFRGS), Lisandro Zambenedetti Granville (UFRGS)

The papers presented during this session can be downloaded from:

<http://ietf.protocolos.net.br/iwpietf-programacao.php>

2 Panel: The Brazil participation in the IETF initiatives and actions to take for increasing the number of participants

The second moment of the workshop was a panel to discuss the participation of Brazilian technicians, researchers and students in the IETF initiatives and actions that we can take for increasing the number of participants. The panelists invited to participate of the panel were (Figure 2, from left to right):

1. Lisandro Zambenedetti Granville, professor at Federal University of Rio Grande do Sul; President of the Brazilian Computing Society
2. Percival Henrique de Souza Neto, Conselheiro do Comitê Gestor da Internet no Brasil (CGI.br)
3. Christian O'Flaherty, Internet Society



Figure 2: Participants of the panel about the participation of the Brazilians in the IETF initiatives and actions to take for increasing the number of participants.

The panel starts with a presentation of Professor Lisandro explaining his experience about participating of his researching group in the IETF and IRTF. He started by explaining why the Brazilian committees in the post-graduation programs do not accept RFC documents written by the Brazilian researchers in the process of program evaluation. Next, Professor Lisandro explained the participation of his researching group in the CGI.BR Program for the Brazilian Working Groups in the IETF/IRTF. This CGI.BR program support the approved groups for participating with all the IETF meetings for 3 years, as well as provide scholarships for professors and students.

After Professor Lisandro finish his presentation, Percival speaks about the CGI.Br support for the development of the research and development in the context of the Internet in Brazil. Finally, after Percival discussions, Christian presented the basics about IETF, Internet Society and other institutions related to the Internet. He explained the basics of a network protocol and the process considered by the IETF to approve a protocol as an Internet Standard, from a Internet Draft (I-D) to a Request for Comment (RFC).

During the presentations of the panelists, there were many questions and discussions from the audience. As a result, some important resolutions can be pointed out, as well as recommendations to all that wishes to contribute to the IETF as well as to promote IETF activities to increase the number of participants in Brazil:

1. Working on increase the number of remote participation of the IETF meeting thought the Remote Hub
2. Submit proposals for the Internet Society Fellowship
3. Propagate though the alternative communication channels (mainly social networks) that anyone involved with computer systems can participate of the IETF initiatives

Once the works for the first day was finalized, the coordinators started some informal discussions about the conduction of the future versions of the workshop. The summary is:

1. Leandro Melo de Sales, the Program Committee Chair for the 2nd WPIETFIRTF, will be the general coordinator of the 3rd and 4th WPIETFIRTF. He will assume the works brilliantly developed by Julião Braga in the 1st and 2nd WPIETFIRTF.
2. There were some discussions about moving the workshop to the Brazilian Symposium on Computer Networks (SBRC) since it is an event focused on computer networks. After some point of view provided by individuals presented in the meeting, it was decided to not move the workshop to SBRC and, therefore, the next versions of the WPIETFIRTF will continue to take place as a side event to the CSBC.
3. Instead of moving the workshop to the SBRC, the papers submitted to the SBRC will be filtered based on some criteria to be defined later. After selecting the interested papers, the authors will be invited to submit the respective papers to the workshop.

3 Remote participation in the IETF

On July 22 it was organized a hub for participating of the IETF Meeting. The main goal with this activity was to encourage the local participants to participate of the IETF meetings, explaining to them how to setup a local hub in their institutions. During this session, it was setup a hub for participating with the following meetings:

- Delay/Disruption Tolerant Networking
- MMUSIC Multiparty Multimedia Session Control

During the execution of this activity, Christian O'Flaherty explained the basic process to setup the hub and the dynamic of how a meeting is conducted by the specific chair. Moreover, some participants helped to explain to the audience some specific topics discussed during the meeting about the respective protocols.



In addition, during the Remote Hub, the printed version of the book "The Book of the IETF" (*O Livro do IETF*, in Portuguese), translated and adapted by Julião Braga, Lisandro Granville, Christian O'Flaherty and Antônio Marcos Moreiras, published by CGI.Br, was freely distributed to the local participants presented in the hub session. The book is also available in <http://www.cgi.br/publicacao/o-livro-do-ietf/>. For those presented in the hub received their book with a special autograph written by Julião and Christian.

4 Photo Gallery











5 Final Remarks

We are sure that all participants enjoyed the workshop. This makes us very excited for the next editions. We hope to meet you all again next year in the 3rd WPIETFIRTF, that will take place in Porto Alegre, Rio Grande do Sul.

The WPIETFIRTF coordinators would like to thank all participants of the workshop, speakers and authors. A special thank to the Internet Society for the unconditional support to the WPIETFIRTF.

The discussions continue and we hope to meet you online at one (or more) of the following channels:

- IETF LAC Mailing List ietf-lac@lacnog.org
- IETF LAC Facebook group <https://goo.gl/0GW8iu>
- IETF Mailing List ietf@ietf.org
- IETF Brazil Whatsapp Group (request to join +55 82 99937-8000)

Christian O'Flaherty
Leandro Melo de Sales
Lisandro Granville
Luiz Julião Braga Filho