

# Barefoot *FASTER*<sup>™</sup> Program

(Forum for **A**dvanced **S**witching **T**echnology **E**ducation & **R**esearch)

## Introduction

Thank you for your interest in our technology! With our P4-programmable Barefoot Tofino<sup>™</sup> we have busted the myth that “Performance” and “Programmability” cannot be delivered together. Barefoot Tofino<sup>™</sup>, our first Ethernet switch ASIC runs at 6.5Tb/s and is fully P4-programmable. With Tofino you can try out new forwarding plane functions by describing them in P4, compiling and running on Tofino. We like to say that if your P4 program fits on Tofino, it always runs at line-rate. We are seeing tremendous interest across the research community for access to our Tofino powered platforms. In order to facilitate research organizations to get access to the platforms, documentation and software in a scalable way we are launching the Barefoot FASTER program.

## Program Admission Requirements

Keep in mind, applicants must meet the requirements set forth below. Please review the following list before applying:

- **Confidentiality Agreement** - A Software License and Confidentiality Agreement (SLACA) shall be executed as-is by the professor or the research chair. This is a standard agreement accepted by over 100 Universities and Research Organizations from around the world. If you believe modifications to the agreement are absolutely necessary, please note the current wait time for legal review is approximately 3-6 months.
- **Support** - Barefoot is currently limited in its ability to service and support this interest from the large number, variety, and geographic distribution of all of the research organizations. As such, all participants acknowledge and agree that Barefoot will not be able to provide any direct support. Instead, participants shall seek support in the FASTER forum from other FASTER community members. The forum is open to all FASTER Program participants.
- **Training & Primary Contact** - To help ease participant onboarding and training, Barefoot has offered access to a limited space paid 3-day intensive training program (Barefoot Academy). At least one member of the research organization shall attend a training session offered by Barefoot Academy within 3 months of joining the FASTER program. The participant who attends Barefoot Academy on behalf of their group shall be the primary contact for the online self-support forum. This individual shall review all questions posed by the group in advance of posting to the forum.
- **Barefoot Tofino Switch** - All FASTER members are responsible for acquiring a Barefoot Tofino Switch from a Barefoot Partner. Barefoot will not be selling or loaning any switches and all members are expected to have their own plan to acquire a switch.

□ **Participation & Code of Conduct** - Participants are highly encouraged to share questions, knowledge and experience with each other to help promote the advancement of the community. All groups shall actively engage and answer at least (1) question per quarter in the FASTER forum. Members are expected to conduct themselves appropriately when participating.

□ **Publication Review** - To help preserve Barefoot's confidentiality, all participants planning to publicly publish information relating to Barefoot technology agree to submit a draft of the proposed publication for review at least (10) days in advance of needing approval.

Failure to comply with the aforementioned terms by any participant of your organization will result in suspension of all members of your organization from the Barefoot FASTER forum.

**Final qualification and approval is subject to Barefoot's review of your submitted application.**

## Training

To help ease participant onboarding and training, we offer a 3-day paid intensive training program (Barefoot Academy) to all participants at a discounted price. All program participants must be in possession of a Barefoot Tofino powered switch and send at least one member of the team to Barefoot Academy, provisionally scheduled at least once a quarter at Barefoot Networks HQ in Santa Clara, CA. *\*For those not based in the US, international sessions are currently available in Amsterdam, the UK, and soon in Asia. Please contact [academy@barefootnetworks.com](mailto:academy@barefootnetworks.com) for more information.*

## Support Model

Barefoot is not able to provide any support to entities that sign up for this program. Instead, we have enabled the FASTER forum, a private, online, forum-based, non-commercial, self-support portal so that all members of this program can help support each other in their queries. The forum is only open to Barefoot FASTER Program participants and actively encourages sharing of questions, knowledge and experience with each other with the expectation that all FASTER members help promote the advancement of the community and conduct themselves appropriately.

## Application

To apply for this program, please fill out the [Barefoot FASTER Program Application](#) and you will hear back from us within 2-3 weeks with a decision and the next steps to follow.

Thanks again for your interest and embarking with us on a great journey to change the future of networking!

Best wishes,

The Barefoot *FASTER* Team

