Takashi Imamichi, a staff researcher of IBM Research - Tokyo, talks his research for emerging countries. IBM Research - Tokyo has an advanced technology of traffic flow simulation, and his team creates frugal solutions for traffic problems in emerging countries.

IBM Mega Traffic Simulator

The detailed model of route choice significantly increases the computational complexity of

traffic simulation. For scalability, we have built X10-based Agents eXecutive Infrastructure for

Simulation (XAXIS), a platform that allows massively parallel execution of agent-based simula-

tion [23]. Megaffic, which is built on XAXIS, enables a nearly linear scale-up with respect to the

number of cores.

Would it be possible (for you) to arrange an appointment (for me) some time?

可以(为你)安排预约(对我来说)一段时间?

This platform is open source, please

**The highly scalable X10-based agent simulation platform(XAXIS)**

**Dear Professor Suzumura, I am writing to enquire about your research for the eXecutive Infrastructure** **(****XAXIS) of IBM Mega Traffic Simulator.**

**My name is Zuolin Chen, and I am a graduate student at the Xi’An jiaotong University, China.I like the X10** [**programming**](javascript:void(0);)[**language**](javascript:void(0);)**, and I'm interested in X10-based multiple Agent Simulation, also, this is my research direction.**

**From the relevant research papers, ,i learned your team did very well in this respect. I was wondering if this platform(XAXIS) is open source, just like Repast HPC, Would it be possible for you to e-mail me the source code of XAXIS? Thanks!**

**Thank you for your consideration.**

**Best wishes!**

**The highly scalable X10-based agent simulation platform(XAXIS)**

**Dear Professor Osogami, I am writing to enquire about your research for the eXecutive Infrastructure (XAXIS) of IBM Mega Traffic Simulator.**

**My name is Zuolin Chen, and I am a graduate student at the Xi’An jiaotong University, China.I like the X10** [**programming**](javascript:void(0);)[**language**](javascript:void(0);)**, and I'm interested in X10-based multiple Agent Simulation, also, this is my research direction.**

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**Thank you for your consideration.**

**Best wishes!**

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**Thank you for your consideration.**

**Best wishes!**

**The highly scalable X10-based agent simulation platform(XAXIS)**

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**Thank you for your consideration.**

**Best wishes!**

**The highly scalable X10-based agent simulation platform(XAXIS)**

**Dear Professor Morimura, I am writing to enquire about your research for the eXecutive Infrastructure (XAXIS) of IBM Mega Traffic Simulator.**

**My name is Zuolin Chen, and I am a graduate student at the Xi’An jiaotong University, China.I like the X10** [**programming**](javascript:void(0);)[**language**](javascript:void(0);)**, and I'm interested in X10-based multiple Agent Simulation, also, this is my research direction.**

**From the relevant research papers, ,i learned your team did very well in this respect. I was wondering if this platform(XAXIS) is open source, just like Repast HPC, Would it be possible for you to e-mail me the source code of XAXIS? Thanks!**

**Thank you for your consideration.**

**Best wishes!**

**The highly scalable X10-based agent simulation platform(XAXIS)**

**Dear Professor Raymond, I am writing to enquire about your research for the eXecutive Infrastructure (XAXIS) of IBM Mega Traffic Simulator.**

**My name is Zuolin Chen, and I am a graduate student at the Xi’An jiaotong University, China.I like the X10** [**programming**](javascript:void(0);)[**language**](javascript:void(0);)**, and I'm interested in X10-based multiple Agent Simulation, also, this is my research direction.**

**From the relevant research papers, ,i learned your team did very well in this respect. I was wondering if this platform(XAXIS) is open source, just like Repast HPC, Would it be possible for you to e-mail me the source code of XAXIS? Thanks!**

**Thank you for your consideration.**

**Best wishes!**

**The highly scalable X10-based agent simulation platform(XAXIS)**

**Dear Professor Takahashi, I am writing to enquire about your research for the eXecutive Infrastructure (XAXIS) of IBM Mega Traffic Simulator.**

**My name is Zuolin Chen, and I am a graduate student at the Xi’An jiaotong University, China.I like the X10** [**programming**](javascript:void(0);)[**language**](javascript:void(0);)**, and I'm interested in X10-based multiple Agent Simulation, also, this is my research direction.**

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**Thank you for your consideration.**

**Best wishes!**

Dear Professor Mizuta,

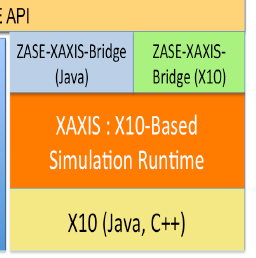
Thank you very much for your reply in timely,It was great help.

It's so excited, I will continue the research motivationly with your enthusiastic support!

With thanks and best regards,Zuolin

Hideyuki Mizuta 写:

Dear Zuolin Chen-san,  
Thank you for having interests on our work.  
  
We have published the platform as open source on March this year.  
For some reason, we changed the name as IBM X10-based Agent Simulation on Distributed Infrastructure (XASDI).  
  
You can find the web page and GitHub repository in the following:  
<http://x10-lang.org/xasdi/>  
<https://github.com/x10-lang/xasdi>  
  
Best regards, Hideyuki  
---  
Hideyuki Mizuta, Ph.D.  
IBM Research - Tokyo / Digital Discovery  
Tel:  +81-3-3808-5395     Mobile: +81-90-7190-8421  
Notes: Hideyuki Mizuta/Japan/IBM@IBMJP, Internet: e28193@jp.ibm.com  
  
"陈作林" <xjtuczl@stu.xjtu.edu.cn> wrote on 2016/08/18 18:12:03:  
  
> From: "陈作林" <xjtuczl@stu.xjtu.edu.cn>  
> To: Hideyuki Mizuta/Japan/IBM@IBMJP  
> Date: 2016/08/18 19:04  
> Subject: The highly scalable X10-based agent simulation platform(XAXIS)  
>   
>    
>    
> Dear Professor Mizuta, I am writing to enquire about your research   
> for the eXecutive Infrastructure (XAXIS) of IBM Mega Traffic Simulator.  
> My name is Zuolin Chen, and I am a graduate student at the Xi’An   
> jiaotong University, China.I like the X10 programming language, and   
> I'm interested in X10-based multiple Agent Simulation, also, this is  
> my research direction.  
> From the relevant research papers, ,i learned your team did very   
> well in this respect. I was wondering if this platform(XAXIS) is   
> open source, just like Repast HPC,  Would it be possible for you to   
> e-mail me the source code of XAXIS?  Thanks!  
>    
> Thank you for your consideration.  
> Best wishes!  
>   
>



Dear Zuolin Chen,  
  
When we published XASDI on GitHub, we reorganized the package structure from the old version used in the paper.  
We have  XASDI core package (X10) and XASDI bridge package (Java).  
We can find the source code on GitHub.  
  
<https://github.com/x10-lang/xasdi/tree/master/src/core>  
<https://github.com/x10-lang/xasdi/tree/master/src/bridge>  
  
Best regards, Hideyuki  
---  
Hideyuki Mizuta, Ph.D.  
IBM Research - Tokyo / Blockchain Technology  
Tel:  +81-3-3808-5395     Mobile: +81-90-7190-8421  
Notes: Hideyuki Mizuta/Japan/IBM@IBMJP, Internet: e28193@jp.ibm.com  
  
"Zuolin Chen" <xjtuczl@stu.xjtu.edu.cn> wrote on 2016/12/21 12:40:34:  
  
> From: "Zuolin Chen" <xjtuczl@stu.xjtu.edu.cn>  
> To: Hideyuki Mizuta/Japan/IBM@IBMJP  
> Date: 2016/12/21 12:46  
> Subject: About the highly scalable X10-based agent simulation platform(XASDI)  
>   
> Dear Professor Mizuta, I'm sorry to bother you again,you said the   
> source code of XASDI on page <http://x10-lang.org/xasdi/,in>your   
> paper named “Highly Scalable X10-based Agent Simulation Platform and  
> its Application to Large-scale Traffic Simulation” you said there   
> hava ZASE-XASDI-Bridge(Java) and ZASE-XASDI-Bridge(X10) also,So,   
> Would it be possible for you to e-mail me the source code of ZASE-  
> XASDI-Bridge(X10)? Thanks!  
>    
> Thank you for your consideration.  
> With thanks and best regards,Zuolin  
>

Dear Professor Mizuta,

Thank you very much for your reply in timely.

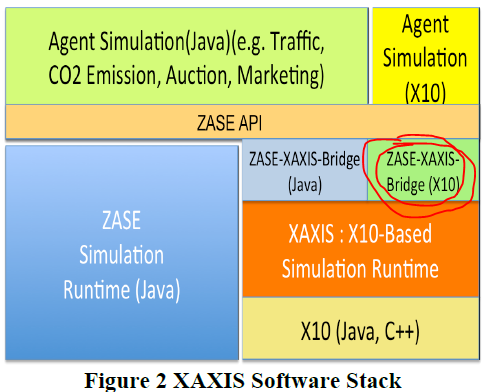
I have been debugging the MySample successfully,and now my focus is on the application of doing something just using the core(<https://github.com/x10-lang/xasdi/tree/master/src/core>) and x10,so, I wonder if I can write x10-based Simulation applications on the core directly,not with java!

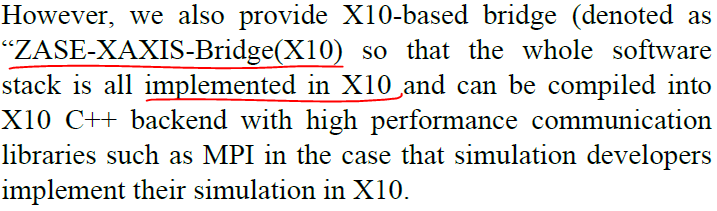
With thanks and best regards,Zuolin

Dear Professor Mizuta,

Thank you very much for your reply in timely, and I'm very sorry to bother you again and again.

[In](http://x10-lang.org/xasdi/,in) your paper named “Highly Scalable X10-based Agent Simulation Platform and its Application to Large-scale Traffic Simulation” you said there hava ZASE-XASDI-Bridge(X10) implemented in X10 totally, The parts marked as red in the below image,





So, now my focus is on the application of doing something just using the core([https://github.com/x10-lang/xasdi/tree/master/src/core](https://github.com/x10-lang/xasdi/tree/master/src/core" \t "_blank)) and x10, I wonder if I can write x10-based Simulation applications on the core and ZASE-XASDI-Bridge(X10) directly, not with java! I would be very grateful to you for the source code of ZASE-XASDI-Bridge(X10) you share!

With thanks and best regards,Zuolin

Dear Zuolin Chen,  
  
Thank you for clarification,  
  
I am sorry but I do not have the full X10 version of ZASE-XASDI-Bridge.  
The authors of the paper “Highly Scalable X10-based Agent Simulation Platform and its Application to Large-scale Traffic Simulation” are Toyotaro Suzumura and Hiroki Kanezashi.  
I do not know whether they can provide the source code of it.  
Please contact Prof. Toyotaro Suzumura.  
  
You can also find the full X10 agent-based simulation platform for financial market by Prof. Izumi at GitHub.  
<https://github.com/plham/plham>  
  
Best regards, Hideyuki  
---  
Hideyuki Mizuta, Ph.D.  
IBM Research - Tokyo / Blockchain Technology  
Tel:  +81-3-3808-5395     Mobile: +81-90-7190-8421  
Notes: Hideyuki Mizuta/Japan/IBM@IBMJP, Internet: e28193@jp.ibm.com  
  
"Zuolin Chen" <xjtuczl@stu.xjtu.edu.cn> wrote on 2016/12/22 11:25:50:  
  
> From: "Zuolin Chen" <xjtuczl@stu.xjtu.edu.cn>  
> To: Hideyuki Mizuta/Japan/IBM@IBMJP  
> Date: 2016/12/22 11:32  
> Subject: About the ZASE-XASDI-Bridge(X10) on XASDI  
>   
> Dear Professor Mizuta,   
>    
> Thank you very much for your reply in timely, and I'm very sorry to   
> bother you again and again.  
> In your paper named “Highly Scalable X10-based Agent Simulation Platform and   
> its Application to Large-scale Traffic Simulation” you said there   
> hava ZASE-XASDI-Bridge(X10) implemented in X10 totally, The parts   
> marked as red in the below image(attachment),  
>    
>    
> So, now my focus is on the application of doing something just usingthe core(  
> <https://github.com/x10-lang/xasdi/tree/master/src/core>) and x10, I   
> wonder if I can write x10-based Simulation applications on the core   
> and ZASE-XASDI-Bridge(X10) directly, not with java! I would be very   
> grateful to you for the source code of ZASE-XASDI-Bridge(X10) you share!  
>    
> With thanks and best regards,Zuolin  
>    
>    
>    
>   
>   
> [attachment "About the ZASE-XASDI-Bridge(X10) on XASDI.docx" deleted  
> by Hideyuki Mizuta/Japan/IBM]

Dear Professor Mizuta,

Thank you very much for your reply in timely, and your Generous help of Plham at GitHub.

With thanks and best regards,Zuolin

Dear Prof. Toyotaro Suzumura,

My name is Zuolin Chen, and I am a graduate student at the Xi’An jiaotong University, China.I like the X10 [programming](javascript:void(0);) [language](javascript:void(0);), and I'm interested in X10-based multiple Agent Simulation, also, this is my research direction.

From the relevant research papers, ,i learned your team did very well in this respect.also I find some source code on GitHub

There is a problem need your help,[in](http://x10-lang.org/xasdi/,in) your paper named “Highly Scalable X10-based Agent Simulation Platform and its Application to Large-scale Traffic Simulation” you said there hava ZASE-XASDI-Bridge(X10) implemented in X10 totally, The parts marked as red in the below image,

So, now my focus is on the application of doing something just using the core([https://github.com/x10-lang/xasdi/tree/master/src/core](https://github.com/x10-lang/xasdi/tree/master/src/core" \t "_blank)) and x10, I wonder if I can write x10-based Simulation applications on the core and ZASE-XASDI-Bridge(X10) directly, not with java! I would be very grateful to you for the source code of ZASE-XASDI-Bridge(X10) you share!

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