

NOVEMBER  
22

# 1<sup>ST</sup> DAY SCHEDULE

## Talk's complexity



Get ready,  
will burn



Introduction  
to technology



For practicing  
engineers



Hardcore

## Legend

## Talk's language

RU EN

### ROOM 1

### ROOM 2

### ROOM 3

8:30 – 18:00 Registration

10:00 – 10:30 Conference opening

10:30 – 11:00 Break

11:00 – 12:00 **Generics**  
EN Jeffrey Richter,  
Microsoft

internals clr

**When to use Test Last,  
Test First, and TDD**  
RU Aleksandr Kugushev, EPAM

test architecture tdd

**Using Tarantool in .NET projects**  
RU Anatoly Popov, Net2Phone

performance nosql

12:00 – 12:30 Break

12:30 – 13:30 **.NET Core 2.1:  
Intrinsics and other  
micro-optimizations**  
RU Egor Bogatov, Microsoft

performance simd

**Help all the humans:  
Why in the world would you invent  
your own chat bot platform**  
RU Oleg Tarasov, MTS

ml ai

**So you want to create your own  
.NET runtime?**  
EN Chris Bacon, Google

cpp internals

13:30 – 16:30 Lunch

14:30 – 15:30 **Modern web development  
with SAFE-Stack**  
EN Steffen Forkmann,  
msu solutions GmbH

fsharp nojs

**Building integration test environment  
using Docker containers**  
RU Aliaksei Harshkalep, EPAM

test docker

**Implementing IQueryable**  
RU Anton Tretyakov, BARS Group

linq orm

13:30 – 16:30 Lunch

16:30 – 17:30 **From monolith  
to microservices:  
history and practice**  
RU Konstantin Gustov,  
Raiffeisenbank

architecture patterns

**ASP.NET Core multi-tenant  
architecture: Challenges and solutions**  
EN Halil İbrahim Kalkan,  
Volosoft Computer and Technology

architecture patterns

**Creating airplane mode proof  
Xamarin applications**  
EN Gerald Versluis, DotControl

network availability

17:30 – 18:00 Break

18:00 – 19:00 **Boosting memory management  
in interoperability scenarios**  
EN Raffaele Rialdi,  
Vevy Europe

performance span

**Domain-driven design:  
pragmatic approach**  
RU Alexey Merson

ddd architecture

19:00 Party

19:30 RU BoF session 1: ".NET Core" EN BoF session 2: "Performance"

RU BoF session 3: "DDD"

20:00 Live music by Dylan Beattie, Vagif Abilov and Maxim Arshinov

# DOTNEXT

2018 MOSCOW

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23

# 2<sup>ND</sup> DAY SCHEDULE

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Introduction to technology



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## Talk's language

RU EN

### ROOM 1

### ROOM 2

### ROOM 3

8:30 – 18:00 **Registration**

10:30 – 11:30 **Yield and async-await: internals and uses**  
RU Ivan Dashkevich, Kontur

internals

**Pragmatic unit testing**  
EN Vladimir Khorikov

methodology patterns test

**Make your custom .NET GC – "whys" and "hows"**  
EN Konrad Kokosa, Gritstep

internals runtime

11:30 – 12:00 **Break**

12:00 – 13:00 **Instant design**  
RU Maxim Arshinov, HighTech Group

architecture patterns

**Windows 10 internals for .NET developers**  
EN Pavel Yosifovich, Author of "Windows Internals"

interop performance

**Extend the new WinDbg to build your own dream debugging tool**  
EN Kevin Gosse, Criteo

plugins clrmd

13:00 – 16:00 **Lunch**

14:00 – 15:00 **FAKE + Paket – PowerTools for .NET developers**  
EN Steffen Forkmann, msu solutions GmbH

build dependencymanagement nuget

**Behind the burst compiler, converting .NET IL to highly optimized native code by using LLVM**  
EN Alexandre Mutel, Unity Technologies

performance lowlevel

**ValueTask: what and why**  
RU Egor Grishechko, Insolar

async internals

13:00 – 16:00 **Lunch**

16:00 – 17:00 **Building responsive and scalable applications**  
EN Jeffrey Richter, Microsoft

performance async

**Life of actors in clusters: why, when and how**  
Vagif Abilov, Miles

architecture akka

**System metrics: learning to avoid pitfalls**  
RU Evgeny Peshkov, Kontur

monitoring perfcounters

17:00 – 17:30 **Break**

17:30 – 18:30 **Surviving under load: fault-tolerant server, smart client**  
RU Igor Lukanin, Kontur

architecture distributed

**Dodo IS performance architecture**  
RU George Polevoy, Dodo Pizza

patterns reliability

**Building your own debugging toolbox with ClrMD**  
EN Christophe Nasarre, Criteo

internals scripting windbg

18:30 – 19:00 **Break**

19:00 – 20:00 **Ctrl-Alt-Del: learning to love legacy code**  
EN Dylan Beattie, Skills Matter

philosophy keynote

20:00 **Conference closure**

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