Forward-Looking Statements

During the course of this presentation, we may provide projections or other forward-looking statements regarding future events and/or future financial performance. Forward-looking statements and projections can be identified by the use of words such as “expect”, “anticipate”, “believe”, and “estimate”. Undue reliance should not be placed on such forward-looking statements and projections, which speak only as of the date they are made. We undertake no duty to update such forward-looking statements. Actual events and results may differ materially from those in the forward-looking statements and are subject to risks and uncertainties. We refer you to the documents the Company files from time to time with the Securities and Exchange Commission, specifically, the Company’s last filed Forms 10-K and 10-Q. These documents identify important risk factors that could cause actual results to differ materially from those contained in our projections and other forward-looking statements.

Use of non-GAAP Financial Information

This presentation contains both non-GAAP and GAAP numbers. We provide a reconciliation between non-GAAP and GAAP numbers in the appendix to this presentation, as well as on our website at investor.xilinx.com.
Renewing Growth: 28nm and Beyond
~ Moshe Gavrielov, President & CEO

Extended Technology Leadership
~ Victor Peng, EVP & GM of Products

Renewed 28nm Growth & Expansion Initiatives
~ Krishna Rangasayee, SVP & GM, Global Sales & Markets

Delivering Increased Shareholder Returns
~ Jon Olson, EVP & CFO

Q&A Session

Reception with End Market Focus
Renewing Growth: 28nm and Beyond

Moshe Gavrielov
President & CEO
<table>
<thead>
<tr>
<th>Year</th>
<th>Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY’07</td>
<td>$1.8B</td>
</tr>
<tr>
<td>FY’08</td>
<td>~$2.4B</td>
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<tr>
<td>FY’09</td>
<td></td>
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<td>FY’10</td>
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<td>FY’11</td>
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<td>FY’12</td>
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<tr>
<td>FY’13</td>
<td></td>
</tr>
<tr>
<td>FY’14</td>
<td></td>
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</tbody>
</table>
Extended Technology Leadership
Renewed 28nm Growth
Expanded Growth Initiatives
Delivering Increased Shareholder Returns
Execution

5 Advantages
- Foundry
- Architecture
- Circuits
- Total Execution
- Software

Expansion

4 More
- Growth Markets
- ASIC/ASSPs
- Users
- Products
Leadership Re-asserted

**Past**
- Late 40/45nm Portfolio Intro
- Lagging Design Environment
- Challenged Profitability Metrics

**Present**
- 28nm FPGA, SoC, 3D IC Break-out, 20/16nm
- Best Tools/Methods, New SW Programmers
- Industry’s Best-in-Class Margins
Segment Share and Profitability Leadership

Xilinx Market Segment Share

<table>
<thead>
<tr>
<th>CY11: 52%</th>
<th>CY14: 56%</th>
</tr>
</thead>
<tbody>
<tr>
<td>High-End:</td>
<td>High-End:</td>
</tr>
<tr>
<td>58%</td>
<td>59%</td>
</tr>
<tr>
<td>Mid-Range:</td>
<td>Mid-Range:</td>
</tr>
<tr>
<td>8%</td>
<td>54%</td>
</tr>
<tr>
<td>Low-End:</td>
<td>Low-End:</td>
</tr>
<tr>
<td>43%</td>
<td>52%</td>
</tr>
</tbody>
</table>

Xilinx Gross Margins

| CY11: 65%       | CY14: 70%       |

Note: All numbers derived from Altera and Xilinx Only
Source: Public Reports and Xilinx Estimates
Concurrent Nodes with FPGAs, SoCs, and 3D ICs

28nm: Foundation of Industry Leading Portfolio

16nm | Complements 20nm with multi-processing SoC, 3D-on-3D, memory

20nm | Complements 28nm for new high-performance architectures

28nm | Long life with optimal price/performance/watt, SoC and 3D IC integrations
28nm Revenue Growth Resumes

FY 2014 - >$380M

FY 2015E - ~$570M

FY 2016E
>30%

Record Year for Any Node
28nm Revenue Growth Resumes

64% 28nm Segment Share in CY’14
Increases Overall Share
28nm: Majority of Revenue Still to Come

- ISM
- A&D
- Broadcast
- Automotive
- Datacenter
- Wired
- Wireless
- TME
- Consumer

Time in Market

Today

FY18-20
Higher Peak and Longer Life Than Any Other Node

28nm

Prior Most Successful Node

1.4X

Today

Time in Market
Renewing Growth with FPGAs, SoCs and 3D ICs

- **16nm**
- **20nm**
- **28nm**

**Break Out**
- **Kintex**: Mid-Range De Facto Standard
- **Zynq SoCs**: Expand Wireless, ADAS, Video/Vision, ISM, A&D
- **Virtex 3D ICs**: Re-define Emulation and ASIC Alternatives

**Vivado**
Renewing Growth with FPGAs and 3D ICs

16nm
- **Kintex**: Enables Rapid Data Center Expansion
- **Virtex**: Industry’s Only High-End Family
- **Virtex 3D ICs**: 4X Alternative for More Emulation and ASICs

20nm UltraScale
- **Kintex**: Enables Rapid Data Center Expansion
- **Virtex**: Industry’s Only High-End Family
- **Virtex 3D ICs**: 4X Alternative for More Emulation and ASICs

28nm Break Out
Renewing Growth with FPGAs, SoCs and 3D ICs

16nm UltraScale+
- **Zynq MPSoCs**: Enable Early 5G, Next Gen Vision and I-IoT
- **Virtex 3D-on-3D & Memory**: For Large % of Remaining ASICs
- **Kintex**: Optimized with SDx for Cloud and SDN/NFV

Vivado

20nm UltraScale

28nm Break Out
Expansion: The Software-Defined Opportunity

Significantly More Users and ASIC/ASSP Displacements

Ease of Development

Performance/Watt and ‘Any to Any’ Connectivity

SDx: Step Function in Scalability and SAM

Software-Defined All Programmable Devices

FPGAs and Zynq SoCs with RTL Flows
Maximizing Shareholder Return

R&D
- High ROI Derivatives, Complementary and Longer Life Products
- Efficiency: 3D IC ‘Mix and Match’, More Reuse

Cash
- 10th Year of Dividend Increases
- Consistent Repurchase of Shares
Extended Technology Leadership

3-Peat: 28nm, 20nm, 16nm

Victor Peng
EVP & GM, Products
Technology Leadership

Renewed Growth

Execution

5 Advantages
- Foundry
- Architecture
- Circuits
- Total Execution
- Software

Expansion

4 More
- Growth Markets
- ASIC/ASSPs
- Users
- Products
3-Peat: The Value of Execution

16nm | Complements 20nm with multi-processing SoC, 3D-on-3D, memory

20nm | Complements 28nm for new high-performance architectures

28nm | Long life with optimal price/performance/watt, SoC and 3D IC integrations
Total Execution at 20nm: 1st to Quality Production
Expanding Xilinx Industry Firsts

28nm and 20nm Firsts

- Vivado
- Design Breakthroughs
- ASIC Class Architecture
- All Programmable SoC
- All Programmable 3D IC

16nm Firsts

- UltraSCALE+
- UltraFAST Design
- SDAccel
- SDx
- SADesign
- SDNet
- Zynq MPSoC
- 3D-on-3D
Highest Confidence, Lowest Risk Path to 16nm

Proven Execution

Proven Quality

Proven Architecture

Proven Design Tools

Proven Supply Chain

28nm  On Time To Spec

20nm  On Time To Spec

16nm  On Time To Spec

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TSMC 16FF+: The Best Foundation

ASIC-class Programmable Architecture... ‘Plus’ Intelligence

Non-linear Increase in Performance-per-Watt

~50 TSMC Customer 16FinFET+ Tape-outs in 2015*

*TSMC November 12, 2014 Announcement
Introducing 16nm UltraScale+

- 3D FinFET on 3rd Generation 3DIC
- All Programmable MPSoC
- Memory and Bandwidth Enhanced FPGA

- 2-5X System Performance/Watt
- Unmatched Integration & Intelligence
- Highest Levels of Security and Safety
The First All Programmable MPSoC

ASIC-Class Architecture

The Right Engines for the Right Task

Highest Level of System Integration and Intelligence
Zynq UltraScale+ MPSoC System Features

7 Processors and Video Codec vs. 2 Processors in Previous Zynq
Zynq UltraScale+ MPSoC Benchmarks

4K2K Video Conferencing
- 5X Performance/Watt
  - 20% less power
  - 4X performance

Public-Safety Radio
- 4.8X Performance/Watt
  - 47% less power
  - 2.5X performance

Multi-Camera ADAS
- 3X Performance/Watt
  - 50% less power
  - 2.5X performance

Relative Power

Zynq SoC + ASSP
Zynq UltraScale+ MPSoC
Zynq SoC + 2 ASSPs
Zynq UltraScale+ MPSoC
2 Zynq SoCs
Zynq UltraScale+ MPSoC
Software Defined Development Environments

C, C++, OpenCL, Domain-specific

- Creates CPU, GPU, NPU, ASSP-like experiences

- Applications:
  - SDN/NFV Networks
  - Data Center Acceleration
  - SoC Vision and Control Systems

Expand Users to Broad Community of Software and Systems Engineers
3-Peat Well Underway

- SDx (all nodes)
- Zynq MPSoC
- 3D-on-3D
- Memory

- UltraScale
- UltraFast
- 4X 3D IC

- 7-Series
- Zynq SoC
- 3D IC
- Vivado

- 28nm TSMC
- 20nm TSMC
- 16nm TSMC

- FPGA Engineers
- System and Software Engineers

1X 1.6X 2-5X

Integration and BOM Cost Reduction

Performance/Watt
Extended Technology Leadership
Renewed 28nm Growth
Expanded Growth Initiatives
Delivering Increased Shareholder Returns
Renewed 28nm Growth and Expansion Initiatives

Krishna Rangasayee
SVP & GM, Global Sales & Markets
Execution

5 Advantages
- Foundry
- Architecture
- Circuits
- Total Execution
- Software

Renewed Growth

Expansion

4 More
- Growth Markets
- ASIC/ASSPs
- Users
- Products
28nm: Majority of Revenue Still to Come

- ISM
- A&D
- Broadcast
- Automotive
- Datacenter
- Wired
- Wireless
- TME
- Consumer

Time in Market

Today

FY18-20
28nm: Majority of Revenue Still to Come

- 1.4X Faster Ramp vs. Largest Node
- ISM
- A&D
- Broadcast
- Automotive
- Datacenter
- Wired
- Wireless
- TME
- Consumer

FY18-20 Peak
Longest Life Ever

More Products and Markets vs. any Node in PLD History

Time in Market
Today
FY18-20
28nm: FY15 Communications Commentary

- ISM
- A&D
- Broadcast
- Automotive
- Datacenter
- Wired
- Wireless
- TME
- Consumer
- Weaker CAPEX
- Lumpiness
- Program Delays

Time in Market

Today

FY18-20

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28nm: Communications Growth Drivers

**Wireless**
- NA/China to RoW
- LTE to LTE Advanced
- Radio to F/Backhaul

28nm FY15-18E CAGR: ~20%

**Wired and Data Center**
- Nx100G OTN
- xPON, Cable
- Data Center

28nm FY15-18E CAGR: ~30%

Source: Xilinx 28nm Revenue Estimates
Zynq: Key Driver of Later 28nm Peak

Zynq Growth Driven by 2nd Wave of 28nm Wireless, Automotive, ISM and A&D
Expansion with Zynq: Automotive and Industrial

2013-2018: Vision Systems and Industrial IoT TAM CAGR: 17%-20%

Source: IHS 2014, Xilinx Estimates
ADAS: Led by Zynq

In Production at 16 OEMs

Mercedes-Benz  BMW  Volkswagen  Honda  Audi  Ford  Nissan  Subaru  Chrysler  Škoda  Mazda  Acura  Seat  Lexus  Toyota
28nm: Multi-market Drivers for Renewed Growth

- ISM
- A&D
- Broadcast
- Automotive
- Datacenter
- Wired
- Wireless
- TME
- Consumer
- Control, Surveillance, Machine Vision
- Milcom, Public Safety, Drones
- ProAV, Transcoding
- Advanced Driver Assistance
- Intelligent Storage, Acceleration
- OTN, xPON, Cable Access
- FDD-LTE, Next LTE Wave, Fronthaul/Backhaul
- Emulation, Testers
- High End TV

28nm
Longest Life of Any Node
28nm: More ASIC and ASSP Wins

- Wireless
- TME
- Consumer

- ISM
- A&D
- Broadcast

- Automotive
- Datacenter
- Wired

- ASICs No Longer Viable
- Limited SoC Options

- ASICs Becoming Less Viable
- ASSPs and FPGAs/Zynq SoCs Battle for Share

- ASICs Co-exist with FPGAs or FPGA Only Solutions
- ASSPs Underperforming ASICs and FPGAs
Looking Ahead to 20nm and 16nm

16nm | Complements 20nm
with multi-processing SoC, 3D-on-3D, memory

Vivado/SDx

20nm | Complements 28nm
for new high-performance architectures

Vivado/SDx

28nm | Long life
with optimal price/performance/watt, SoC and 3D IC integrations
20nm: Renewing Growth with FPGAs & 3D ICs

**Kintex**
Expansion Vehicle for Data Center, Furthering Mid-Range Share Gains

**Virtex**
Only High-End FPGA on Market, Driving Significantly Higher Share Gains

**3D ICs**
4X Advantage for 2nd Gen of Emulation, Fortifying Ultra High-End
16nm: Renewing Growth with MPSoCs & 3D-on-3D

Zynq MPSoCs
New 5G/Vision/Industrial IoT Markets, SoCs, ASSPs, Integrations

Virtex with 3D-on-3D and Memory
Removes Inhibitors to ASIC Displacement; Memory and Performance

Kintex
3-Peat Leadership with New Programming for New Markets
SDx Development Environments for Expansion

**SDNet**
- SDNet: ‘Softly’ Defined Networks and NPUs
- SDN/NFV with Programmable Data Plane

**SDAccel**
- SDAccel: Data Center Acceleration
- Next Wave of Cloud Computing

**SDSoC**
- SDSoC: Video/Vision and Industrial IoT
- Next Gen Automotive, Factories and Cities
✓ Extended Technology Leadership
✓ Renewed 28nm Growth
✓ Expanded Growth Initiatives

Delivering Increased Shareholder Returns
Jon Olson
EVP & CFO
AGENDA

- Strength of Business Model
- Growth and Leverage FY’16 and Beyond
- Delivering Increased Shareholder Returns
Strength of Business Model

Business Model Snapshot in Time

Growth
- 40/45nm
- 28nm
- 20/16nm

Core
- Older
- 90nm
- 65nm
Value of Core Business

Consistent Operating Cash Flow Generation

Profile
- Higher profitability
- Durable cash flows
- Sales declines over time

Focus activities
- Cost reduction
- Continuous yield improvement
- Targeted product extensions

Objective: Maximize Cash Flow to Drive Shareholder Value
Goal of Growth Business

Profile
- Rapid sales growth
- Lower profitability
- Higher OPEX investment

Key Focus Activities
- Address new markets with 28nm and beyond
- Capture ASIC/ASSP share
- Increased integration and software focus

Objective: Drive Improved and Measurable Return on Investment
28nm Growth Profile
AGENDA

1. Strength of Business Model
2. Growth and Leverage FY’16 and Beyond
3. Delivering Increased Shareholder Returns
FY’16E Business Environment

**Weaker A&D**
- Program-related declines
- Decline in legacy products

**Areas of Strength**
- **28nm**: Momentum continues
- **Auto**: ADAS big driver
- **ISM**: Zynq designs ramp
- **TME**: Clear strength of portfolio

**Flat Communications**
- Muted CAPEX environment
- Growing data center
- Wireless Flat: 2H growth dependent on global LTE wireless deployments

**FY’16E Revenue Guidance**: Flat to Slightly Up from FY’15
Looking Ahead

- **Industrial & A&D**
  - Control, Surveillance, Machine Vision, I-IoT
  - MilCom, Public Safety, Emulation/Test

- **Communications & Data Center**
  - Intelligent Storage, Acceleration, OTN, Access
  - FDD, Next LTE Wave, Fronthaul/Backhaul

- **Broadcast, Consumer & Auto**
  - Accelerated ADAS Growth
  - High Resolution Video, Transport, Pro AV
Gross Margin Continued Improvement

FY16E Gross Margin: 68-70%

Gross Margin Focus
- Up from 63% in FY10
- Improved cost management on new products
- Improved pricing strategies and better discipline
- Supply chain efficiencies
Disciplined Spending Delivering Innovation

Operating expenses presented are non-GAAP and defined as operating expenses less restructuring & litigation charges. Complete reconciliations can be found in the appendix in this presentation and at investor.xilinx.com
## Financial Guidance – FY16E

<table>
<thead>
<tr>
<th>Category</th>
<th>Estimate</th>
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</thead>
<tbody>
<tr>
<td>Gross Margin</td>
<td>~68 - 70%</td>
</tr>
<tr>
<td>R&amp;D</td>
<td>~$530 - $550M</td>
</tr>
<tr>
<td>SG&amp;A</td>
<td>~$360 - $380M</td>
</tr>
<tr>
<td>Amortization of Intangibles</td>
<td>~$10M</td>
</tr>
<tr>
<td>Other Income</td>
<td><del>(</del>$28M)</td>
</tr>
<tr>
<td>Tax Rate</td>
<td>~13%</td>
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<tr>
<td>CAPEX</td>
<td>~$25M</td>
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</tbody>
</table>
AGENDA

Strength of Business Model

Growth and Leverage FY’16 and Beyond

Delivering Increased Shareholder Returns
Continuous Dividend Growth

- Increased dividend for 10 consecutive years
- 22% compounded annual dividend per share growth
- Current yield is ~3%

Dividend Increase Announced this Morning
Durability of Cash Flow

**Cash Flow Margin**

- Xilinx
- PHLX Semi
- S&P 500

Cash Flow Margin presented is non-GAAP and defined as (Operating Cash Flow less Capital expenditures)/TTM sales.

Complete reconciliations can be found in the appendix in this presentation and at investor.xilinx.com.

Source: Factset, Xilinx
Capital Allocation

- Strong Commitment to Returning Cash
  - ~120% of FY15E operating cash flow returned to shareholders

- Optimize Capital Structure for Shareholder Return
  - Over 90M shares repurchased past 10 years
  - Maintain flexibility with debt capacity

- Continued Commitment to Increase Dividend

~100% of Operating Cash Flow Returned to Shareholders in Past 10 Years
Extended Technology Leadership
Renewed 28nm Growth
Expanded Growth Initiatives
Delivering Increased Shareholder Returns
## Operating Expense Reconciliation

<table>
<thead>
<tr>
<th>(in millions)</th>
<th>Fiscal Year Ended</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011</td>
</tr>
<tr>
<td><strong>Total operating expenses (GAAP)</strong></td>
<td>$755</td>
</tr>
<tr>
<td><strong>Restructuring charges</strong></td>
<td>10</td>
</tr>
<tr>
<td><strong>Litigation</strong></td>
<td>-</td>
</tr>
<tr>
<td><strong>Total operating expenses excluding restructuring charges and litigation (non-GAAP)</strong></td>
<td>$745</td>
</tr>
</tbody>
</table>
# Free Cash Flow Reconciliation

## Fiscal Years Ended

<table>
<thead>
<tr>
<th></th>
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<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash flows from operations (GAAP)</td>
<td>$275,486</td>
<td>$489,423</td>
<td>$551,568</td>
<td>$581,000</td>
<td>$442,530</td>
<td>$554,291</td>
<td>$724,152</td>
<td>$826,739</td>
<td>$656,537</td>
<td>$804,917</td>
</tr>
<tr>
<td>Capital expenditures</td>
<td>(61,377)</td>
<td>(67,040)</td>
<td>(110,777)</td>
<td>(45,593)</td>
<td>(39,109)</td>
<td>(28,152)</td>
<td>(64,979)</td>
<td>(70,071)</td>
<td>(30,265)</td>
<td>(44,865)</td>
</tr>
<tr>
<td>Free cash flows (non-GAAP)</td>
<td>$214,109</td>
<td>$422,383</td>
<td>$440,791</td>
<td>$535,407</td>
<td>$403,421</td>
<td>$526,139</td>
<td>$659,173</td>
<td>$756,668</td>
<td>$626,272</td>
<td>$760,052</td>
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<tr>
<td>Revenue</td>
<td>$1,573,233</td>
<td>$1,726,250</td>
<td>$1,842,739</td>
<td>$1,841,372</td>
<td>$1,825,184</td>
<td>$1,833,554</td>
<td>$2,369,445</td>
<td>$2,240,736</td>
<td>$2,168,652</td>
<td>$2,382,531</td>
</tr>
<tr>
<td>Free cash flows as a percentage of revenue (non-GAAP)</td>
<td>13.61%</td>
<td>24.47%</td>
<td>23.92%</td>
<td>29.08%</td>
<td>22.10%</td>
<td>28.70%</td>
<td>27.82%</td>
<td>33.77%</td>
<td>28.88%</td>
<td>31.90%</td>
</tr>
</tbody>
</table>