Making IoT Conversational

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Everything is connected

People

Services

Spaces

Devices
User Interfaces Must Be

Universal  Quick  Accessible  Natural
When everything is seamless, humans become the interface.
**conversational interaction** for the Internet of Things

<table>
<thead>
<tr>
<th>Category</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobile apps</td>
<td>“Share it with Mike and tell him I was right.”</td>
</tr>
<tr>
<td>Smart homes</td>
<td>“It’s kinda freezing in here.”</td>
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<tr>
<td>Cars</td>
<td>“Are we there yet?”</td>
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<tr>
<td>Wearables</td>
<td>“Look! A bird!”</td>
</tr>
<tr>
<td>Robots</td>
<td>“Bring me another cupcake.”</td>
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<tr>
<td>Games</td>
<td>“How do I get the biggest sword here?”</td>
</tr>
<tr>
<td>Web services</td>
<td>“What’s up with Google’s stock?”</td>
</tr>
</tbody>
</table>
Set thermostat to 72 degrees.

```json
{
    "action": "thermostat.setTemperature",
    "degrees": "72",
    "units": "F"
}
```
Overall Processing Flow

1. Speech recognition
2. Natural Language Understanding and Conversation Management
   - Intent recognition
   - Context management
   - Conversation management
3. Fulfillment
Thank you!

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