# Implementing Higher Order Components (HOCs) and Render Props

**Peter Kellner**

DEVELOPER, CONSULTANT AND AUTHOR

@pkellner   linkedin.com/in/peterkellner99   PeterKellner.net

HOCs and Render Props have common goals but different implementations

# HOCs Versus Render Props

**HOC**

```
  => {

const Speakers =

({ speakers }) => {

  return <div>{speakers}…</div>

}


export default withData()(Speakers)
```

**Render Props**

```
const Speakers = () => {

  return (<MyRP>

    {(({ speakers }) => {

      return <div>{speakers}…</div>

    }}

  </MyRP>)


export default Speakers
```

# Takeaways and Lookaheads

**HOCs and RPs viable patterns**
– Share program logic
– Manage state

**HOC problem, props naming collisions**

**Render Props**
– Conceptually simpler
– Higher programming complexity

**Coming up**
– React Context
– React custom hooks