"Linux Drivers" by Anil Pugalia

+ Session 1: Introduction
      > W's of Linux Drivers
      > Ecosystem of Linux Drivers
      > Drivers, Modules, and the "Device" Drivers
      > Verticals & Horizontals

+ Session 2: The First Driver
      > Driver Development Environment
      > Building Basic Drivers
      > Various Usage Mechanisms
      > OSS vs Proprietory Drivers

+ Session 3: Character Drivers
      > Name vs Number
      > Registration & the Cleanups
      > Kernel Data Structures & File Operations
      > Linux Device Model & Bus Architectures
      > Analog & Digital I/Os

+ Session 4: Low-level Accesses
      > Memory Access
      > Hardware Access

+ Session 5: Embedded Device Bus Drivers
      > Overview of TTY
      > I2C
      > SPI
      > Processor Bus, e.g. PCI

+ Session 6: Kernel 'Embedded C' Programming
      > Fundamentals of Kernel Programming
      > Concurrency & Synchronization
      > Time Management
      > Delays & Timers

+ Session 7: USB Drivers
      > Device & Driver Layout
      > USB Core
      > Driver & Device Registration
      > URB & its Functionalities

+ Session 8: Interrupts
      > Interrupts & IRQs
      > Soft IRQs
      > Exceptions
      > Board coupled Porting

+ Session 9: Block Drivers
      > Driver & Device Registration
      > Kernel Data Structures & Device File Operations
      > Request Queue Ecosystem

+ Session 10: File System Modules
      > Virtual File System
      > The Five Operation Sets
      > Interaction with the Block Device