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The Cuckoo's Egg

Systematic practices
standards -

microcode
~ software
assembly
code -

Software maker -
Software eng ~

completely disassociated
fr. hardware

used to be called programmer
~ just coding but
whole system

waterfall
model

requirements gathering
puts together specs
for system

designs system

coding may be

related to programmer
testing & measuring
characteristics

cos want the
systems

maintenance

SEI - because of haphazard unreliability
} work process is haphazard, }

set of steps - eg waterfall, evolutionary
{ go back to client, get feedback etc

obtain interest of other universities

Judith
Perrole

~~Waterfall~~ waterfall - flow
Spiral model - prototyping &
risk mgmt @ every turn of
spiral
after x prototypes waterfall
iterative enhancement
dif pictures of iterative level
upper mgmt - ^{prof'l software engr} says not needed
(out of it - @ 40 yrs.

What to do to make software engr engr in full sense
^{prof} conceptually engr

how the practices of engr level - intellect
how to support level of systematic practices
for dif domains sep stand'ds
life critical / mission critical

Min stand'ds for all software
big files in industry

historian of engr

Peter Whalley

model code + rationale & cases
+ commentary

Nuclear
engr
practices
fr. gov
reg

from Insurance
Co -