# **RESEARCH STATEMENT-GUIDE**

* 1-2 page, 3 at most, mostly not more than 1.5 pages, unless gotten other advices from committee
* use informative section headings and subheadings, or bullets
* indicate writing ability, technical but readable to all members even for whom outside the field
* provide a big picture focus
* provide summary, background, context/relevance/significance of my research
  + research interests
  + background
  + key problem to be resolved
  + past and current research and plan
* provide examples (pas and current research) to illustrate research efforts to address questions under the selected topic umbrella
  + value/significance of research
  + major findings/preliminary results/initial accomplishments/outcomes
  + publications/applications in prestigious journals (Autocon, JCCE-ASCE, etc.)
* short-term future research
  + research limitations in past and current research
  + potential sponsors
  + research significance
  + ability to secure grant, proof by funding history
* long-term research goals/research
  + 4-5 topics/proposals/potential funding partners (NSF, States and Federal DOT), industrial collaboration (software venders)
  + why research is important
  + Feasibility of proposals, preliminary results, experience, or provide evidence from the past successful proposals for similar research to highlight the possibility to secure grants
  + Future research built upon current and the past research
  + interdisciplinary collaborators
  + including potential impacts and outcomes
  + benefits to the target university, students and schools (students involved, new courses developed)
* use language/story to demonstrate independence as a researcher (research ideas, ability to earn grant money, funding history, prestigious journal articles-Autocon, JCCE)
* identify major problems/questions and their relevance to the main research themes and significance to the field
* no need to list as many as possible future research, every one knows that I will work more than what are mentioned here
* tailor to the needs of the target department and position
* prepare a longer version for interview (budget, equipment, graduate students) to start up the research