Challenges and Opportuni es for Co robots and Compu ng

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Compu ng, including Robo cs, accounts di rectly for $1.29 trillion of the US GDP. Growth in this area is expected to con nue to accelerate in the next 10 years, driven by coordinated e orts by industry and academ ia and strategic investments by the Federal Government and Congress. This presenta on will discuss the emerging strategy and spe cific ini a ves and direc ons in compu ng for all ini a ves—including new develop ments in cyber human systems, programmable ma er, the chal lenge to revolu onize future compu ng, as well as a robo cs roadmap—through development of new compu ng pla orms in spired by our increasing understanding of the human brain and hu man cogni on. A brief overview of some relevant research at UAA will also be provided, including systems/robots capable of tracking

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