

Specifiche Premio Accessibilità Sostenibilità Qualità della Vita



Nome Prodotto **IPV Clothing System**
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Azienda Produttrice
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Certificazioni

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Descrizione del prodotto Wearable computing system designed to intervene in domestic violence situations and explore their therapeutic potential. The wearable system is in the form of apparel or smart clothing coupled with an Artificial Intelligence system. It is in essence a robot you wear, a relational machine to wrap around yourself. According to the Center for Disease Control approximately 5.3 million incidents of Intimate Partner Violence (IPV) occur each year in the U.S. among women ages 18 and older. These reported assaults consist of pushing, grabbing, shoving, slapping, and hitting and could be considered relatively minor but can escalate to much more serious violence if the relationship continues to be abusive. Physical violence is almost always accompanied by emotional and psychological abuse of the victim. This manifests itself in symptoms of depression, low self-esteem and anti-social behavior. The social consequences of IPV are devastating, resulting in increasingly strained relationships with friends and family and isolation from social networks.

Materiali

Dimensioni

Tecnologia / Funzionamento The apparel component utilizes fabric based pressure sensors to measure and categorize forces/impacts to the wearer's body, enabling the system with an understanding of the wearer's bodily condition in terms of the abuse. The A.I. system can then process that information and interact with the victim by initiating supportive conversations in a safe and secure instant messaging environment, essentially the wearer is "chatting" with their clothing. Their conversations attempt to promote self reflection and act as a transitional step towards human social networks. The data from the abuse can be viewed in near real-time, archived or distributed to the proper authorities for later legal or medical requirements. The A.I. system can, if permitted by the wearer, share the information with one's friends and family or a trusted peer community to help others empathize with their situation.

Benefici per l'ambiente

Benefici per la persona The addition of computational intelligence into clothing adds a whole new dimension of complexity to their social roles and transforms them into relational machines creating a secure and supportive environment designed to allow user to reveal and reflect upon their feelings and situations leading them to 'open up' and thus begin the process of recovery or healing.

Altri prodotti che seguono criteri di
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No-Contact Jacket: a wearable defensive jacket charged with high voltage electricity at the press of a button. The jacket consists of a multi layered system to insulate the wearer while electrically conductive fibers deliver the current to any unauthorized contacts. Designed to deter physical assault the Jacket functions as an implement for survival, empowerment, and identity.

